DYALOG
Eastbourne 2026

"Cooler than Keanu"



John Daintree

DYALOG
Eastbourne 2026

Who is this guy?

- John Daintree
  - Been with Dyalog (previously Dyadic) "all my working life"
    - Since 1991

"Cooler than Keanu"

V

- John Daintree
  - Been with Dyalog (pr
    - Since 1991



"Cooler than Keanu"

V

- John Daintree
  - Been with Dyalog (pr
    - Since 1991



"Cooler than Keanu"

Who is this guy?

- John Daintree
  - Been with Dyalog (previously Dyadic) "all my working life"
    - Since 1991
  - Worked on Dyalog's ⎕WC interface (released in version 6.2)
  - COM interface (AKA OLE. e.g. Excel.Application)
  - .NET interface
  - So, I'm "The Windows Guy"
  - The Windows Development Environment
  - And other things

"Cooler than Keanu"

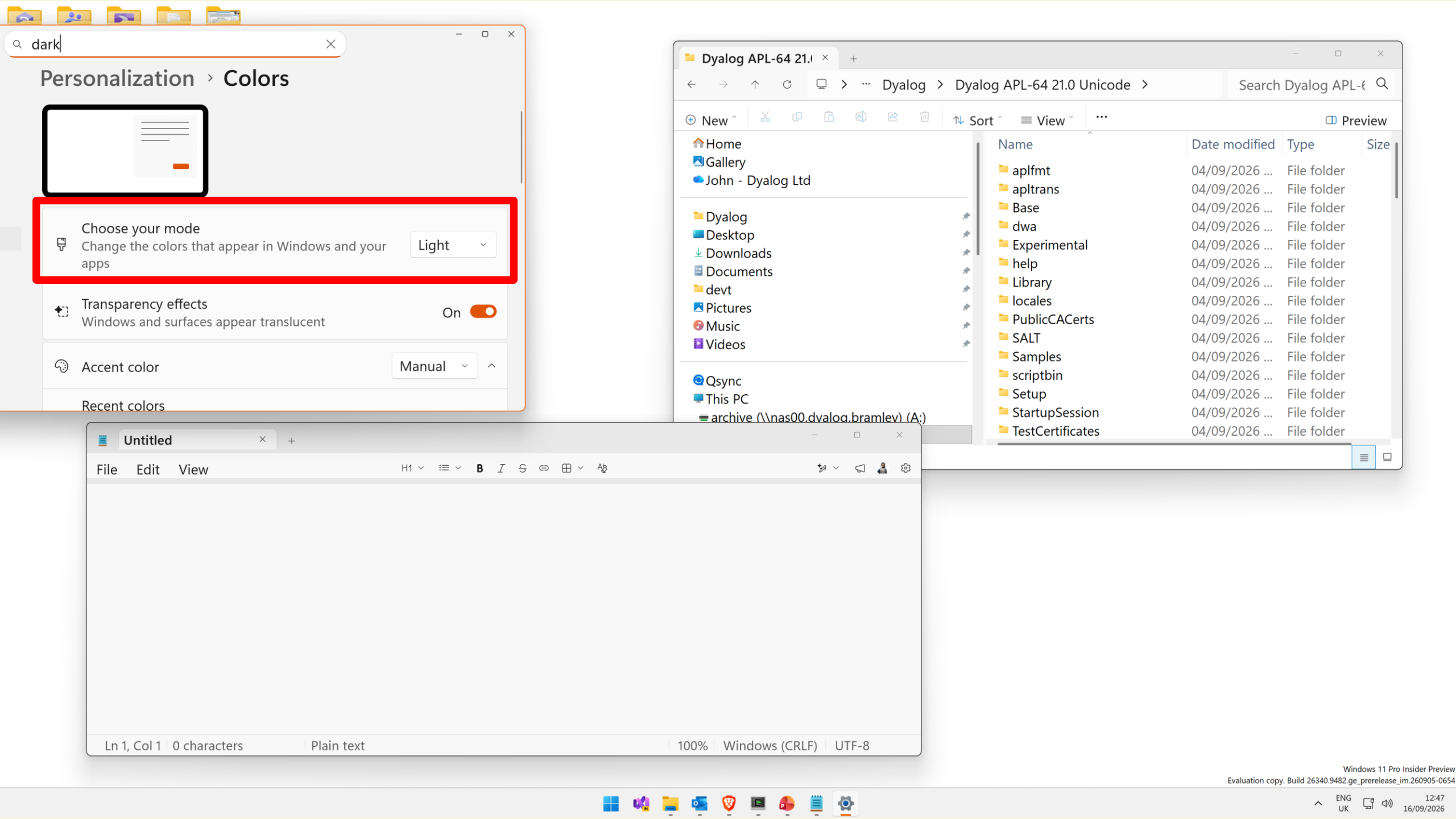
People started asking…

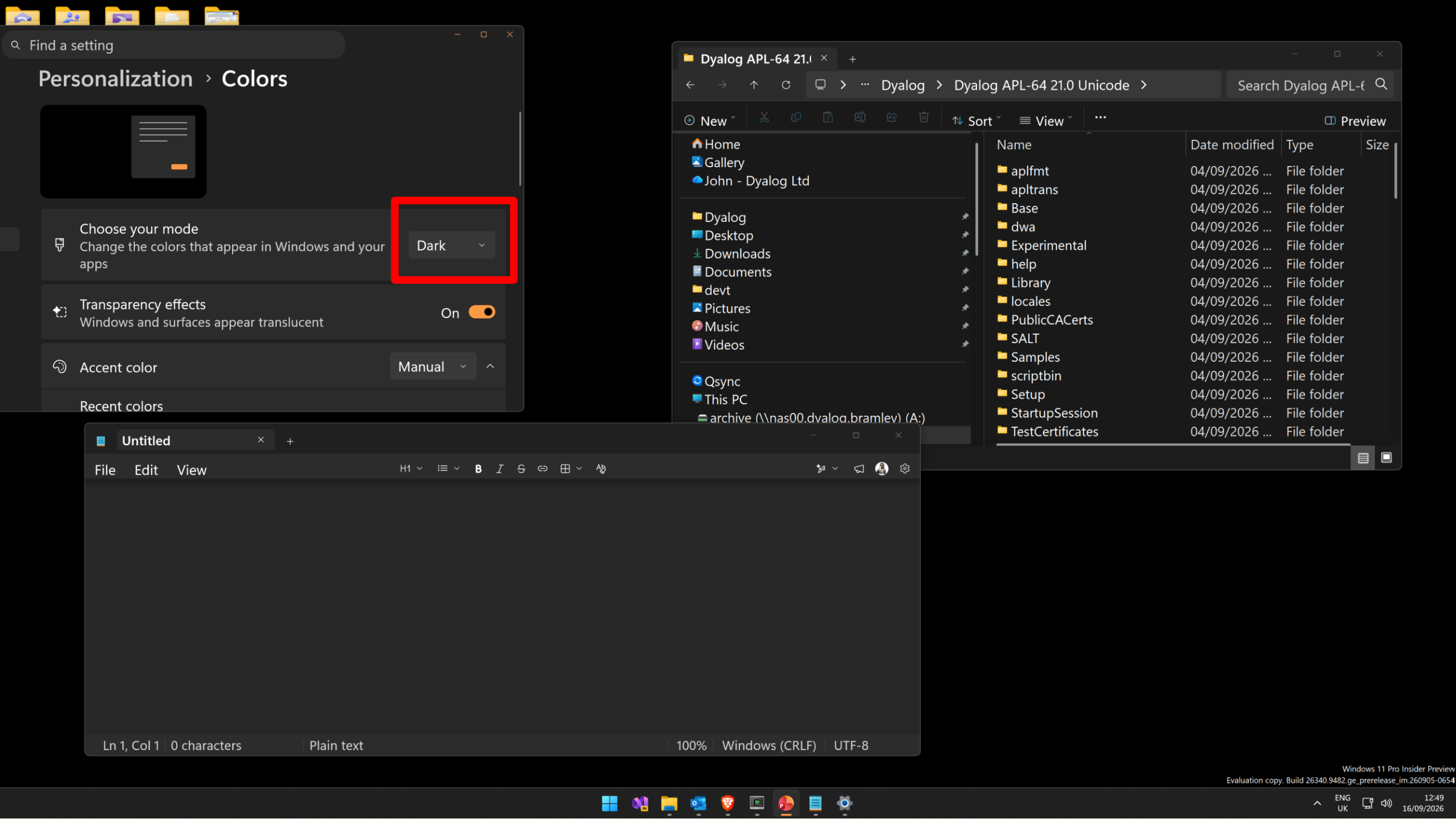
- "Can we have □WS properties for colours on"
  - This
  - That
  - Oh, and this
  - And these…
- Why?
  - "Themes"
  - "A more modern look"
  - "Dark Mode"

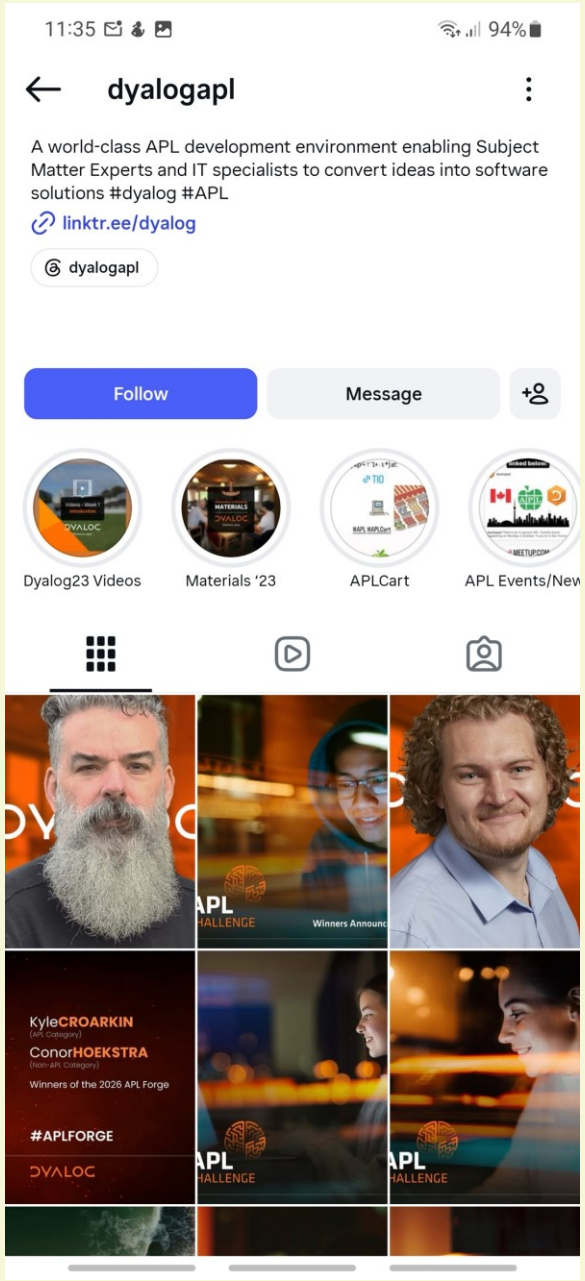
"Cooler than Keanu"

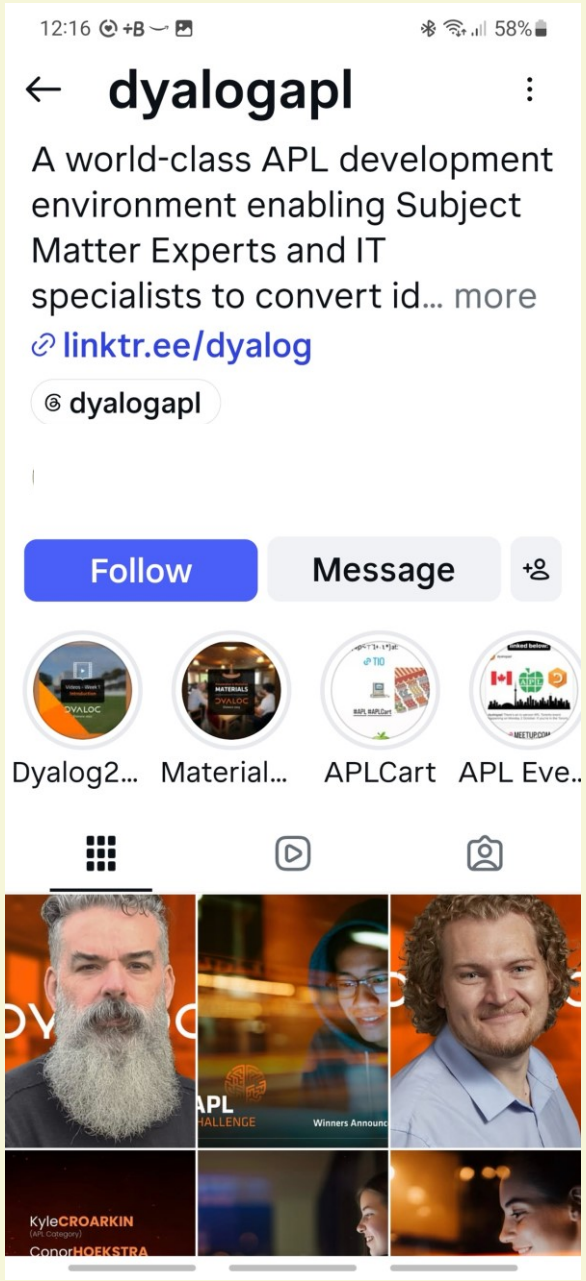
What is Dark Mode?

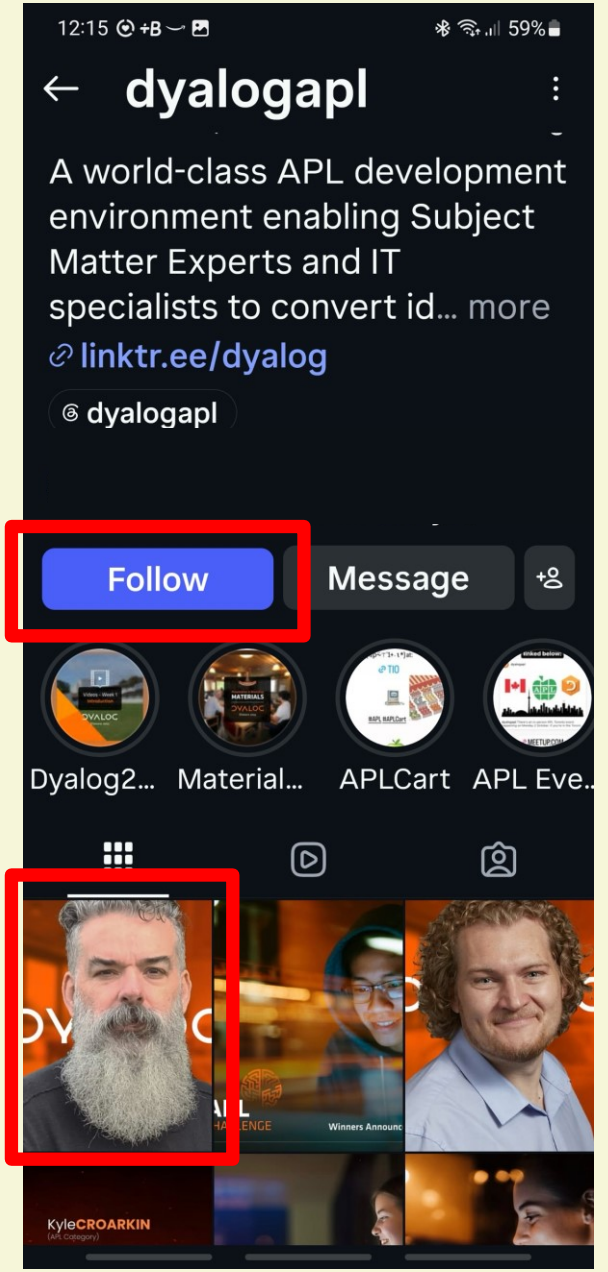
"Cooler than Keanu"


dark
Personalization › Colors
Choose your mode
Change the colors that appear in Windows and your apps
Light
Transparency effects
Windows and surfaces appear translucent
On
Accent color
Manual
Recent colors
Dyalog APL-64 21.0 Unicode
Search Dyalog APL-64
New
Sort
View
Preview
Home
Gallery
John - Dyalog Ltd
Dyalog
Desktop
Downloads
Documents
devt
Pictures
Music
Videos
Qsync
This PC
archive (\\nas00.dyalog.bramley) (A:)
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Windows 11 Pro Insider Preview
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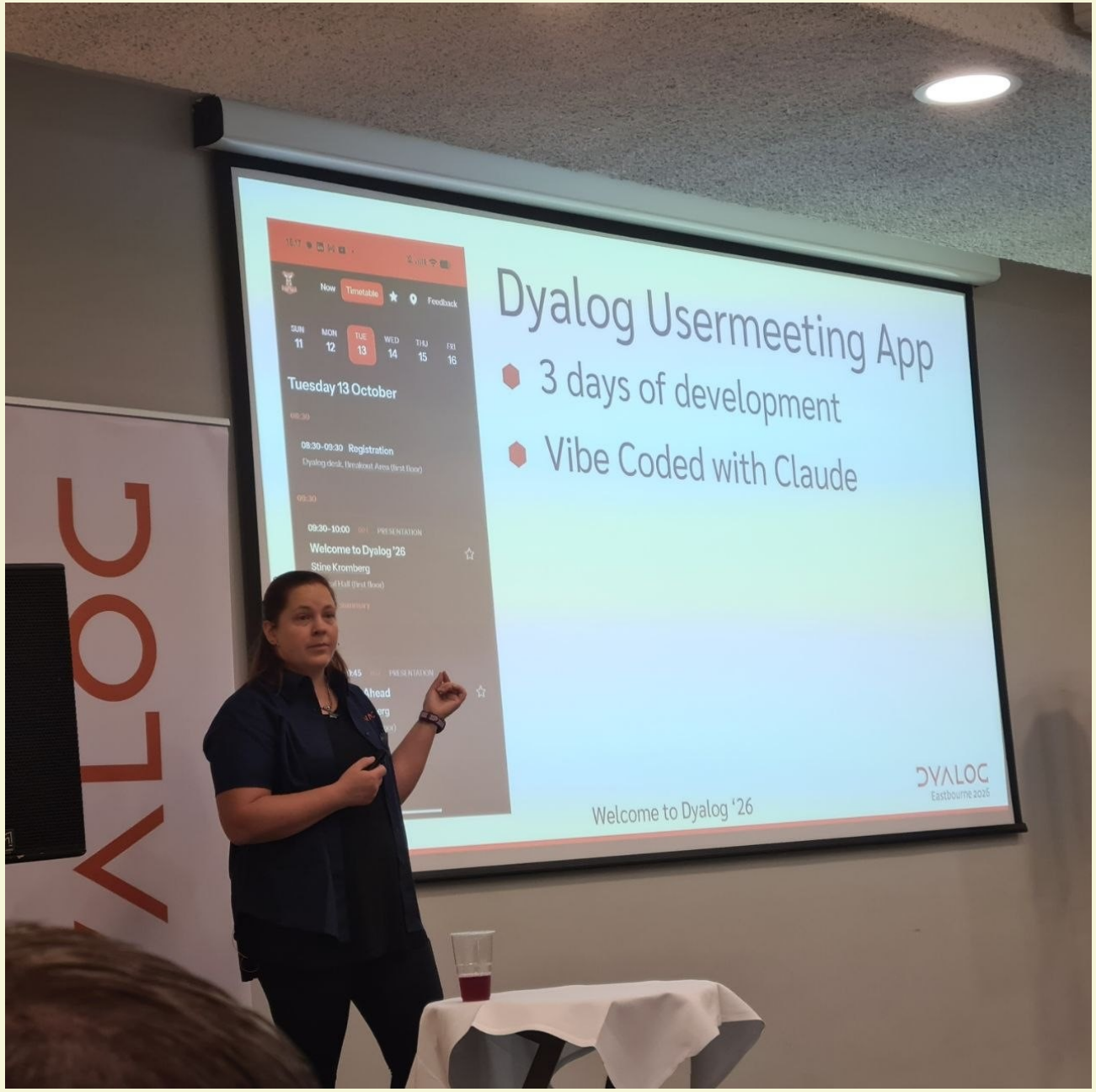




"Cooler than Keanu"

But who else uses Dark Mode?

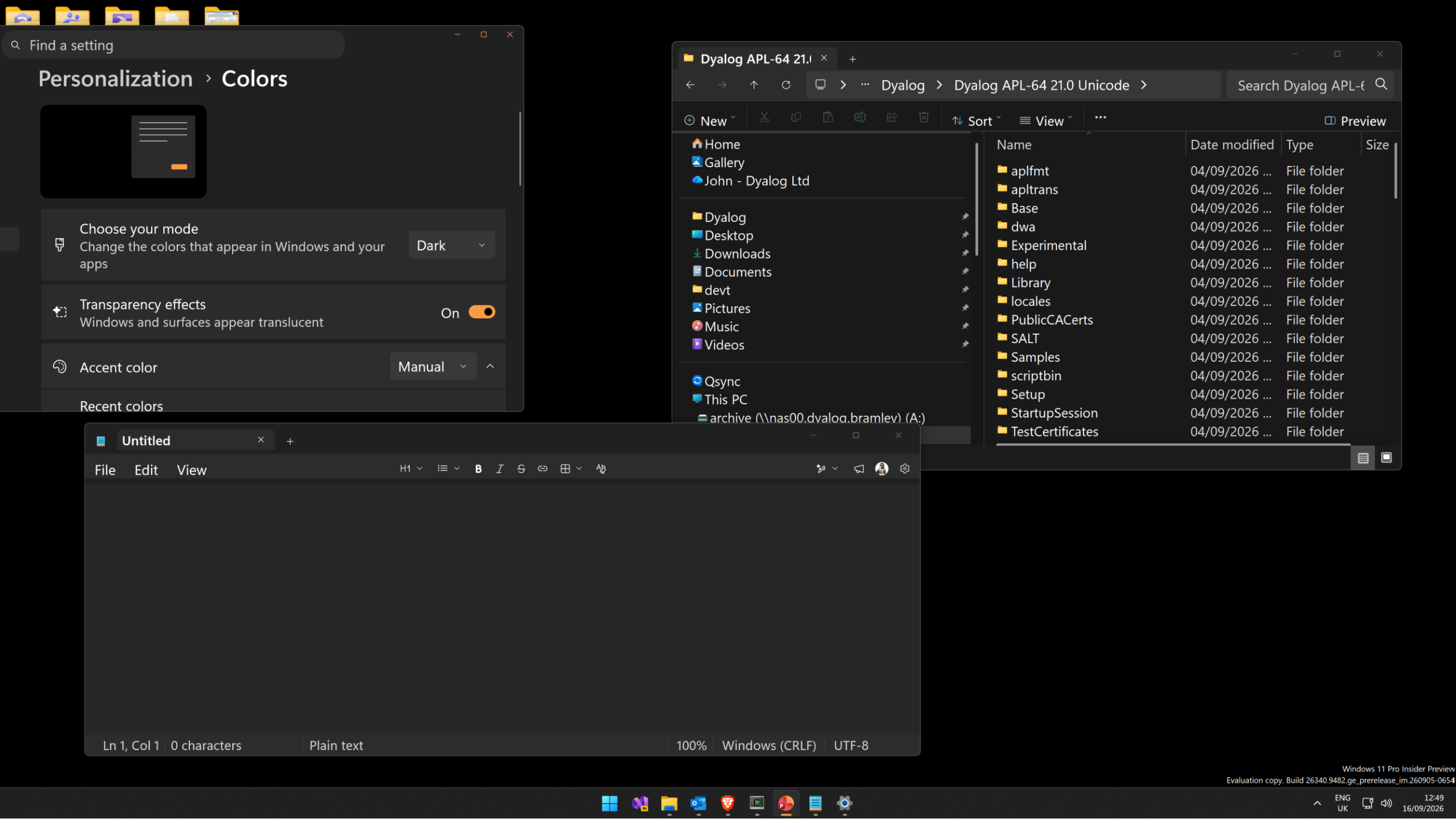
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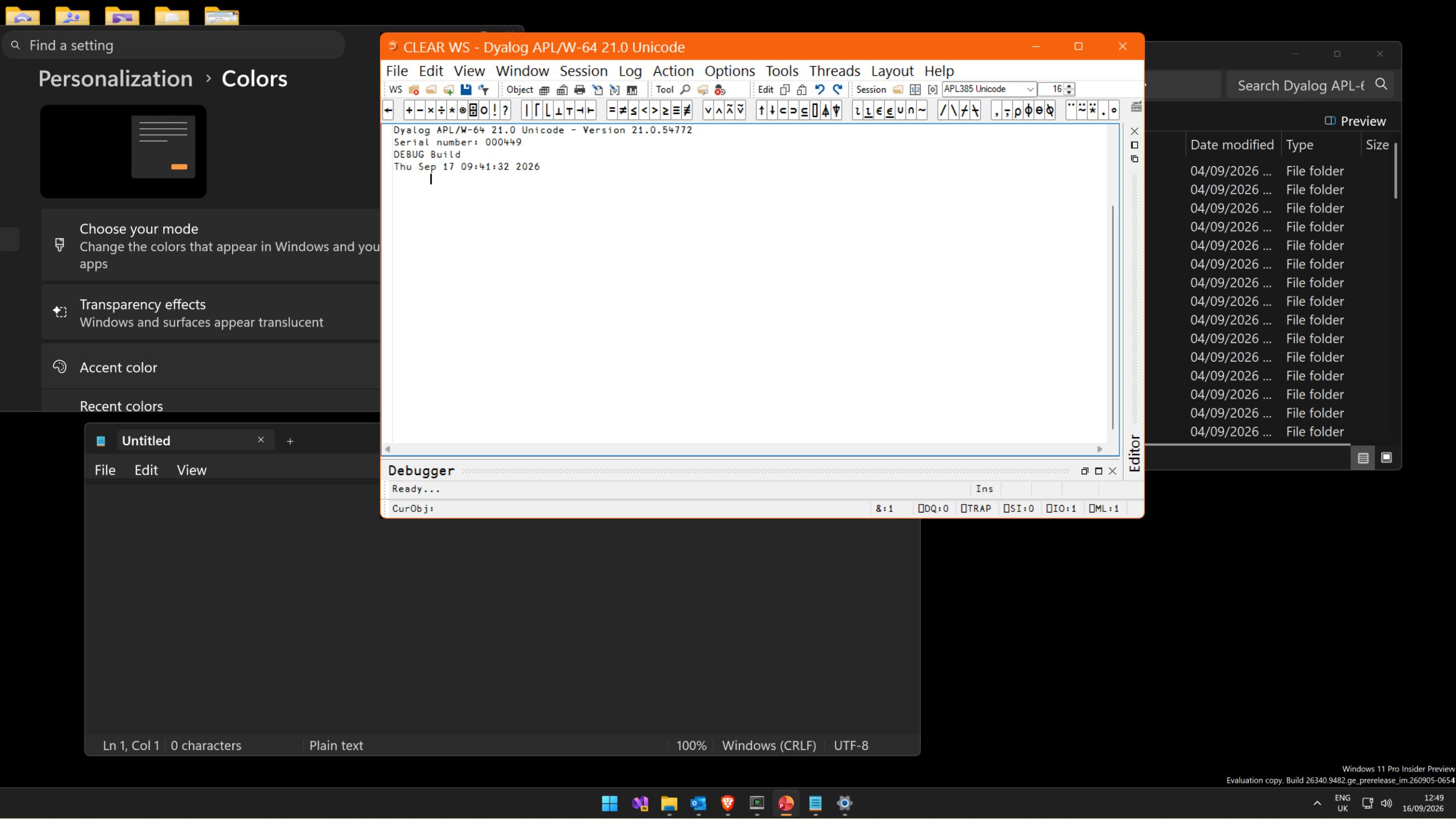


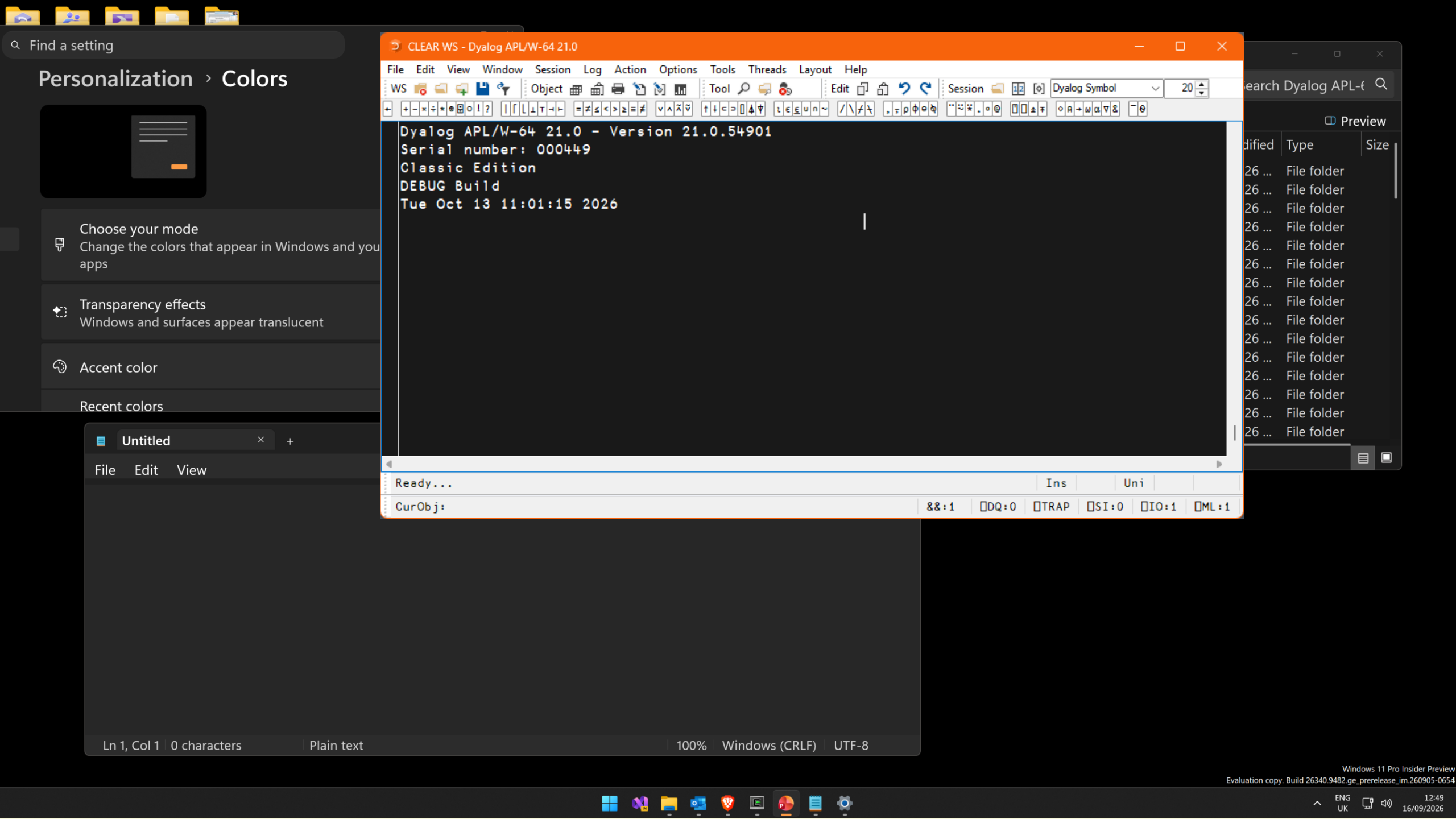
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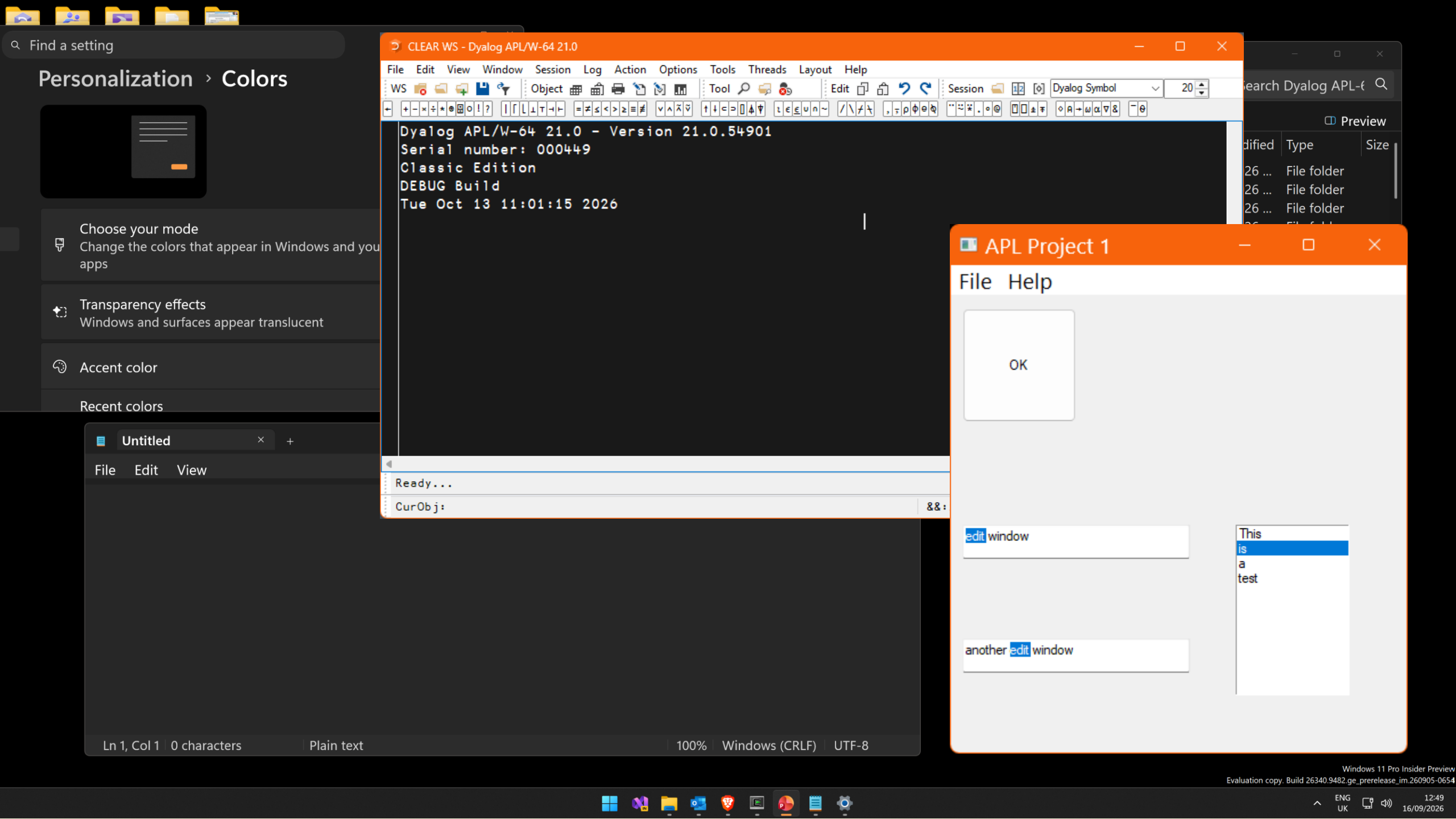
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CLEAR WS - Dyalog APL/W-64 21.0 Unicode
File Edit View Window Session Log Action Options Tools Threads Layout Help
WS Object Tool Edit Session APL385 Unicode 16
Dyalog APL/W-64 21.0 Unicode - Version 21.0.54772
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Editor
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File Edit View Window Session Log Action Options Tools Threads Layout Help
WS Object Tool Edit Session Dyalog Symbol 20
Dyalog APL/W-64 21.0 - Version 21.0.54901
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How can we fix this?

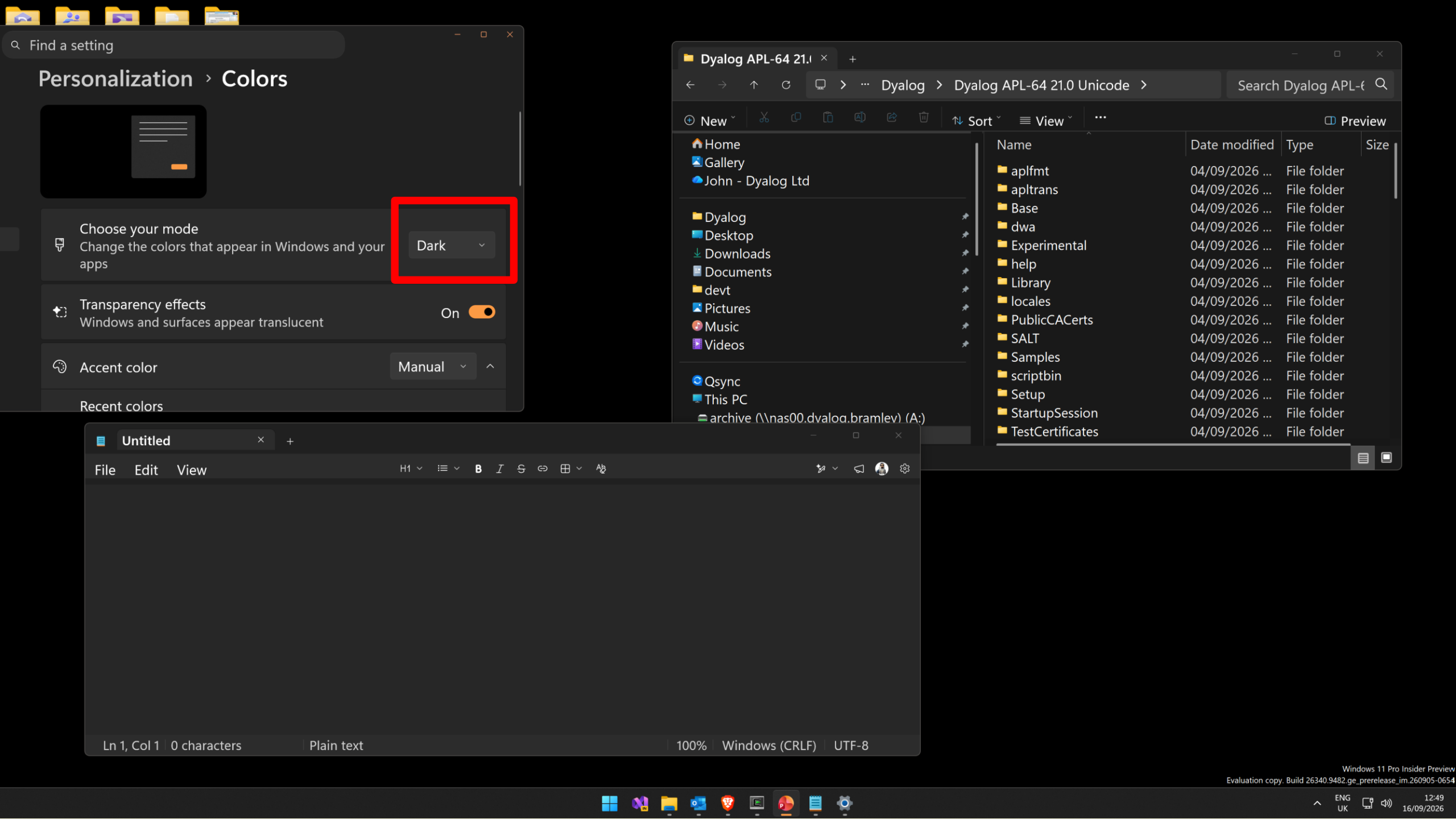
- Add a bunch of new properties?
  - I'd rather not
  - We'd have to change a lot of code
  - You'd have to change a lot of code

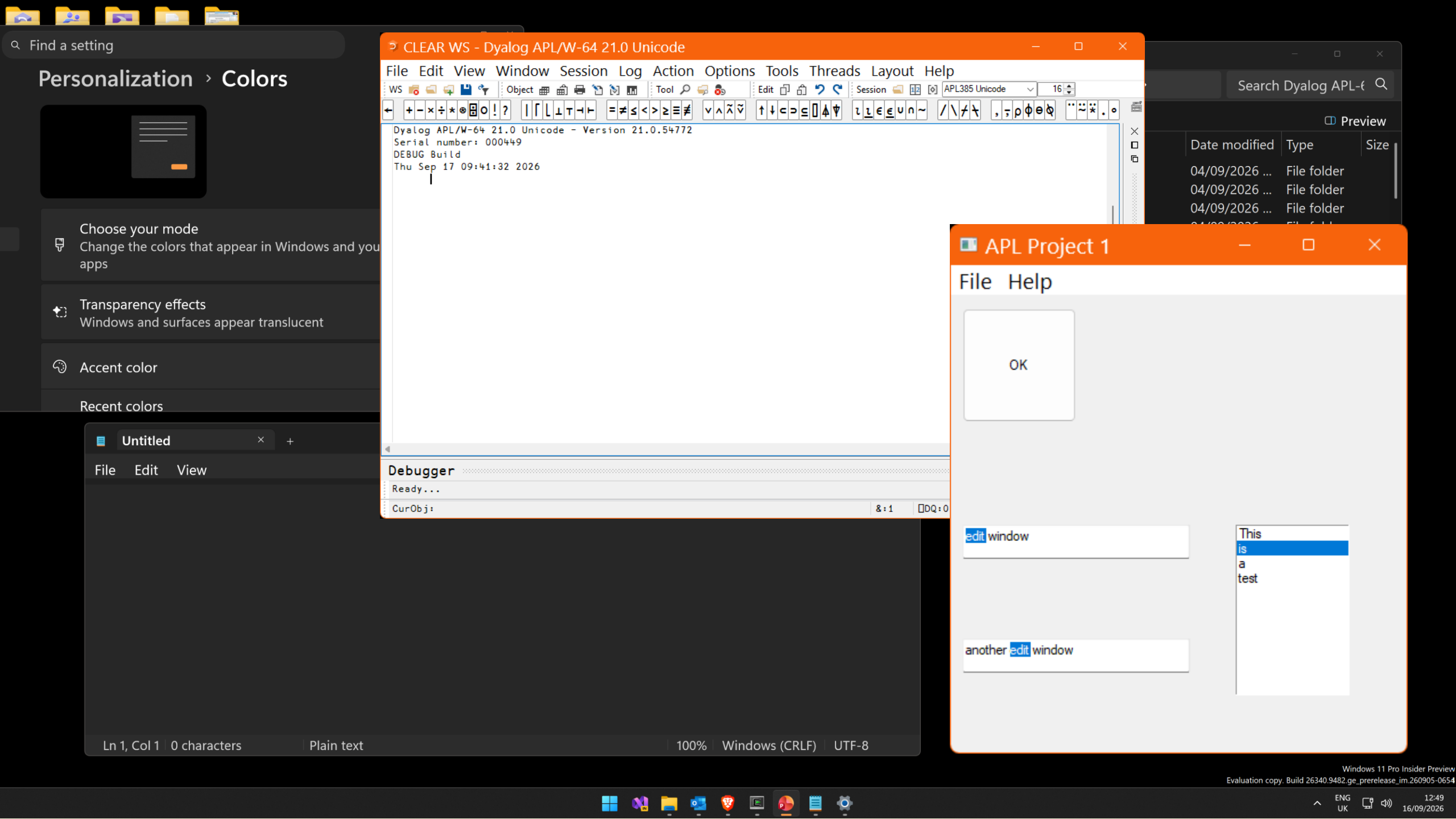
"Cooler than Keanu"

How can we fix this?

- An application wide switch?
  - Much easier to implement
  - Much easier to use
    - "Just make my application dark dammit!"
- If only it were that easy
- Surely the operating system provides this switch
  - I mean, it's there in Settings, we saw it!
  - Surely it'll just work!

"Cooler than Keanu"

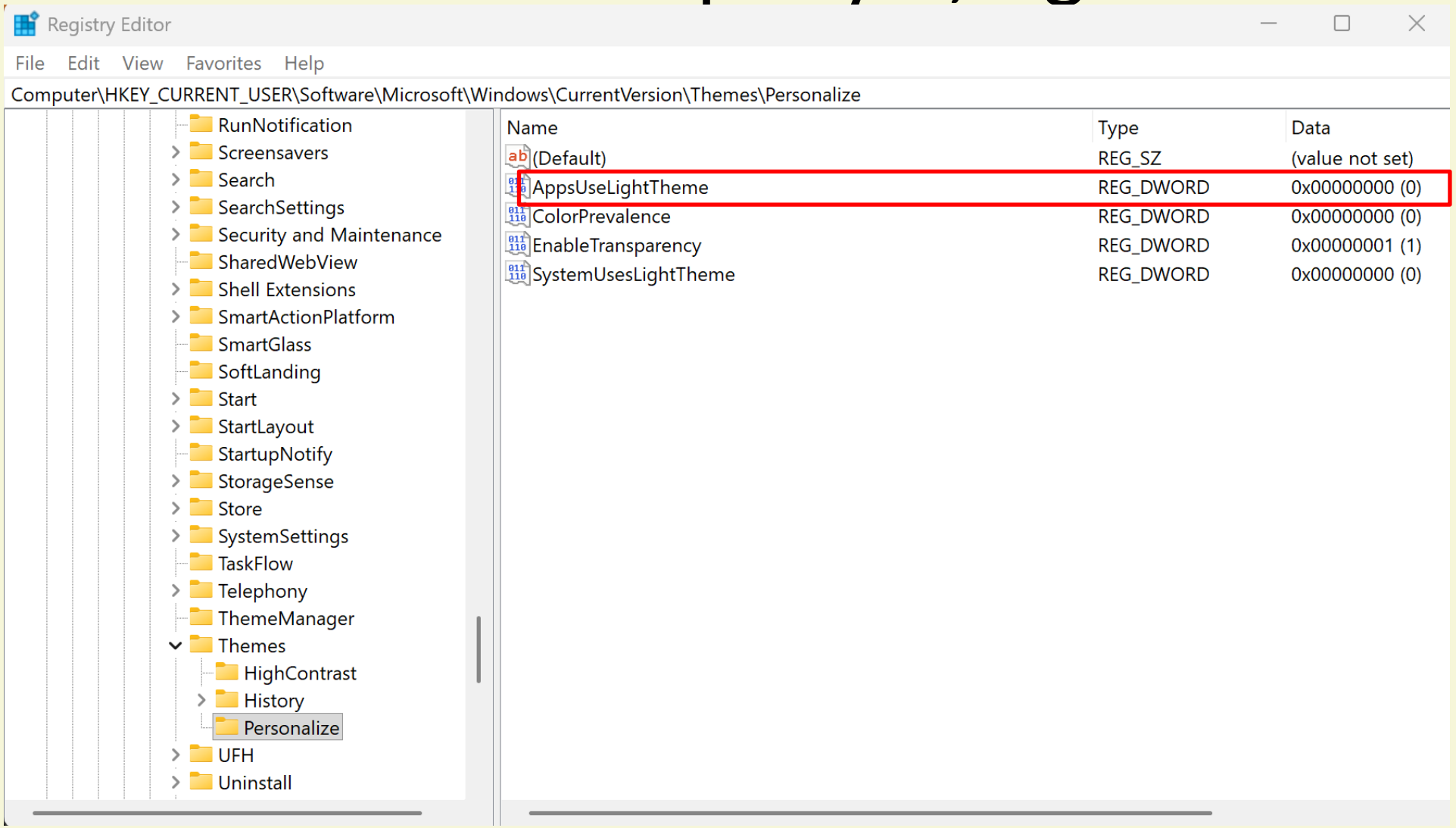

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How can we fix this?

- An application wide switch?
  - Much easier to implement
  - Much easier to use
    - "Just make my app dark dammit!"
- If only it were that easy
- Surely the operating system provides this switch
  - I mean, it's there in Settings, we saw it
  - Surely it'll just work!
  - Apparently not

But we can query it, right?

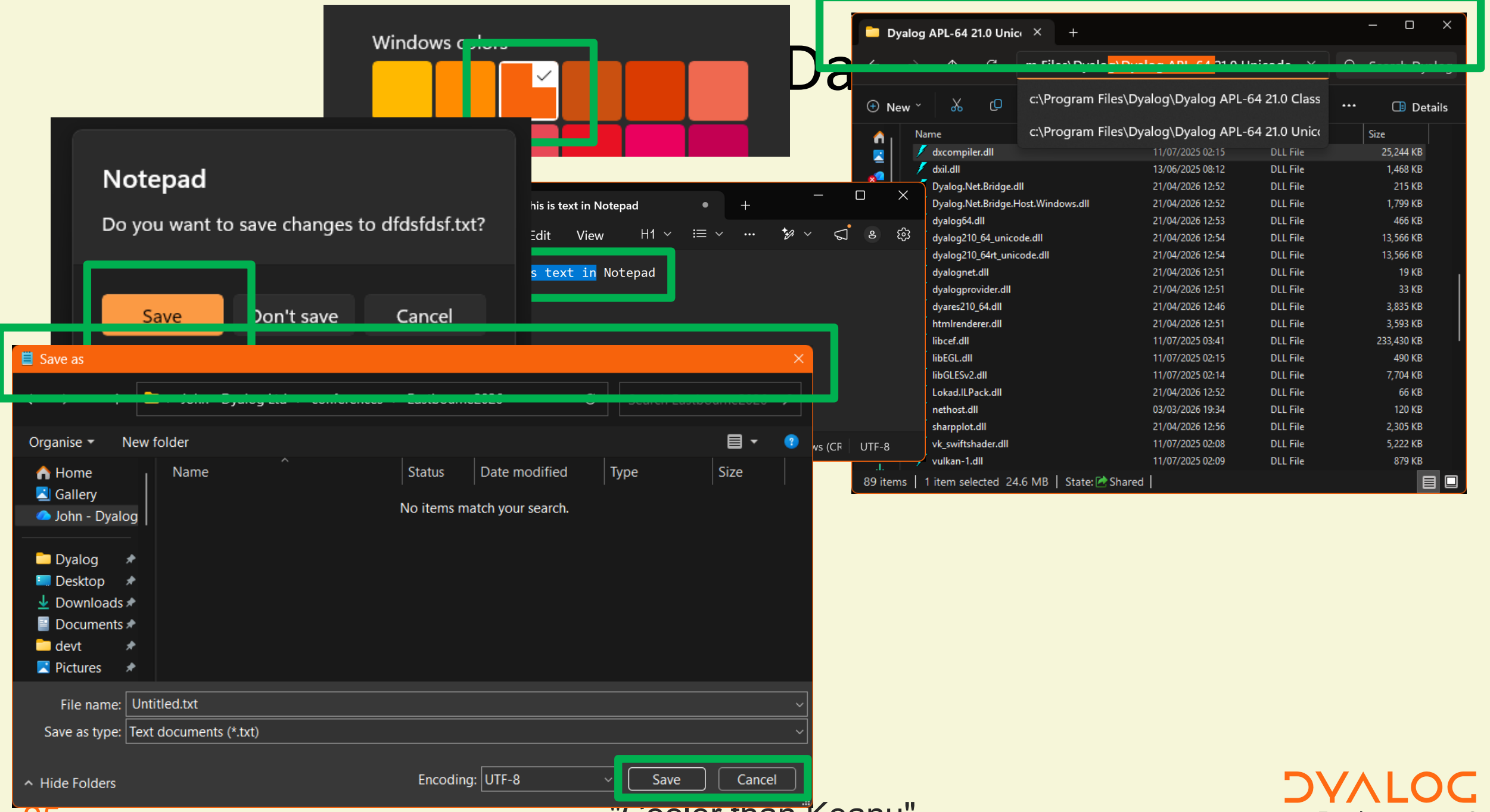


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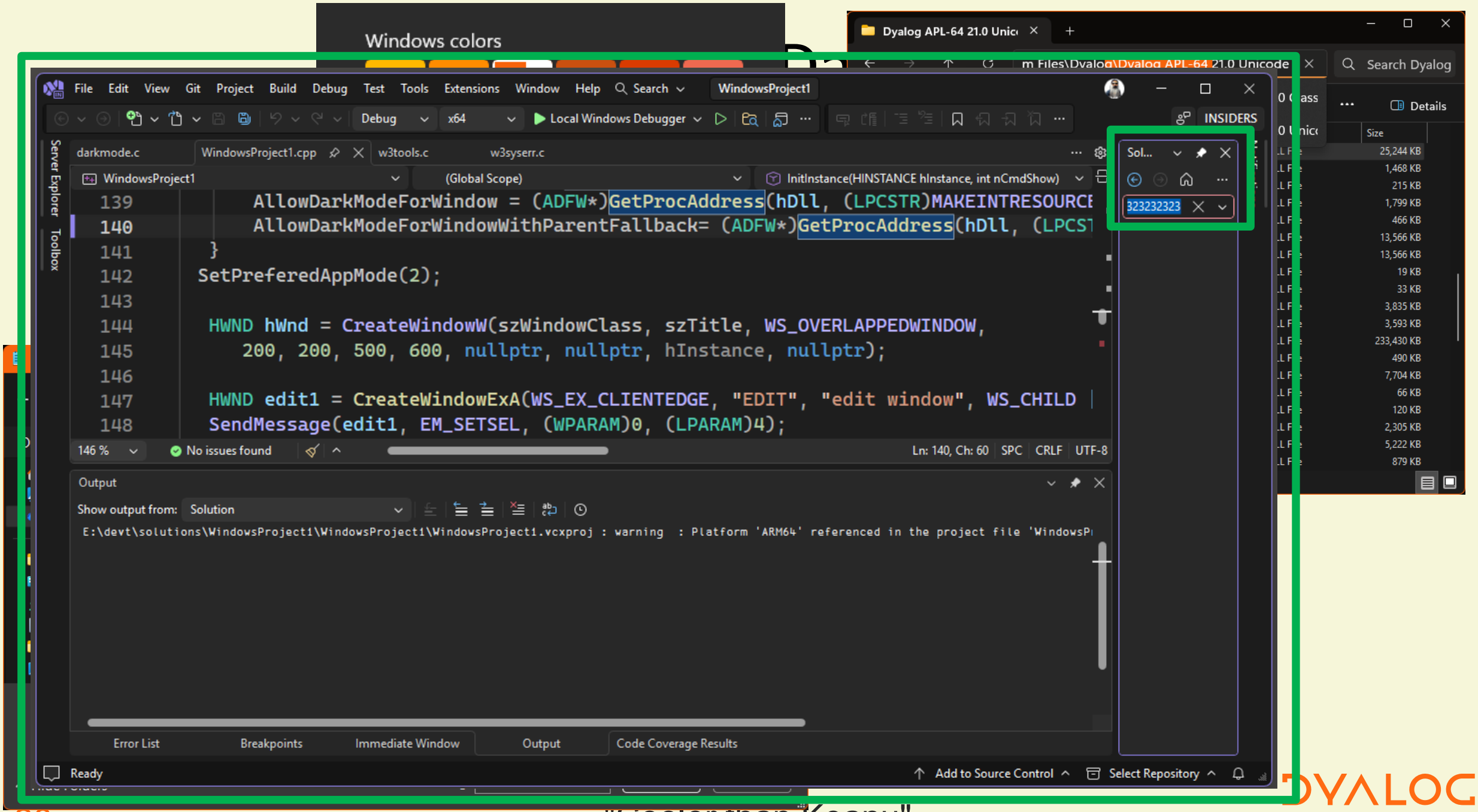
What even is Dark Mode?

- The Operating System
  - Is not very helpful, or even consistent

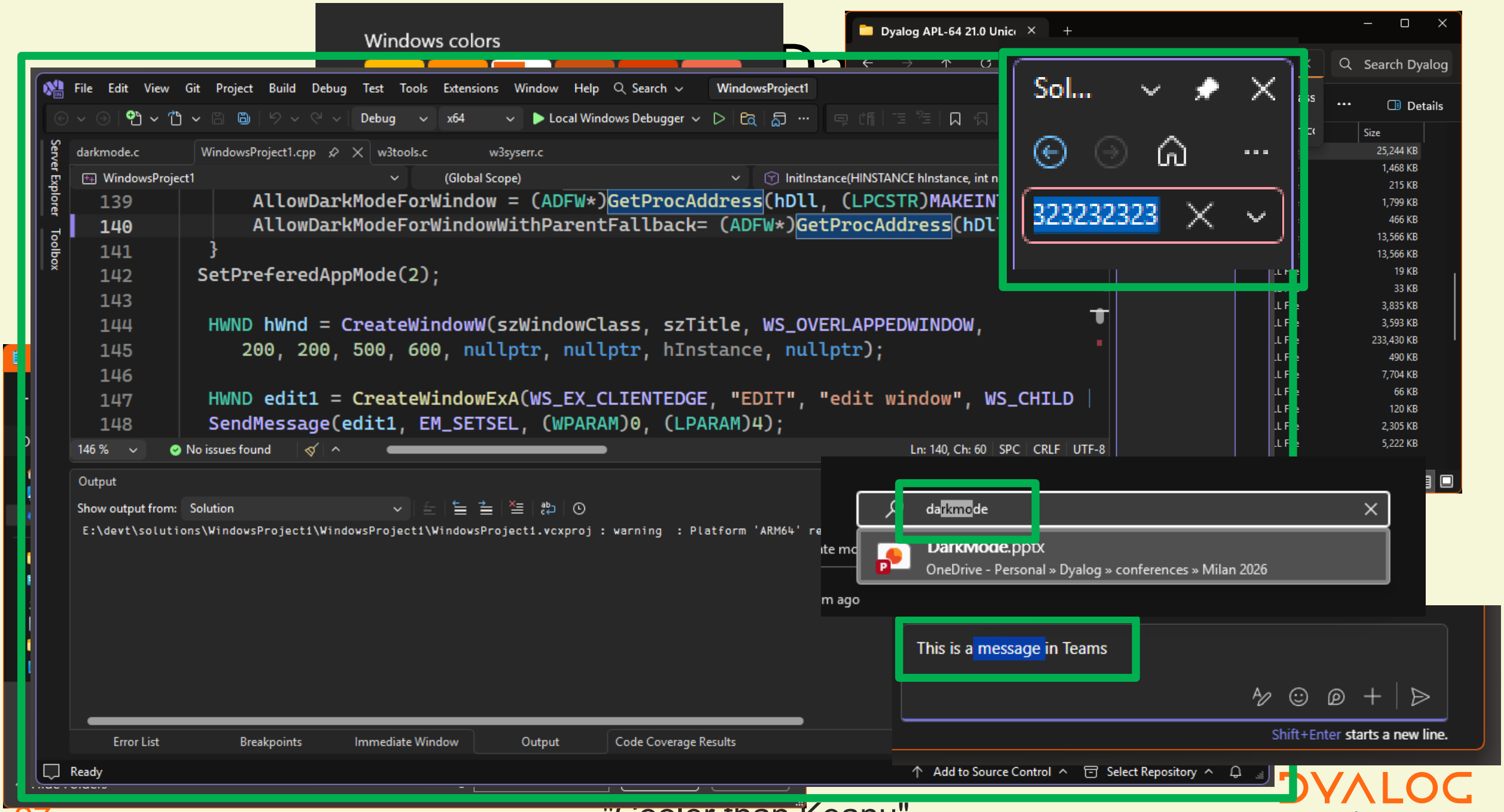
"Cooler than Keanu"



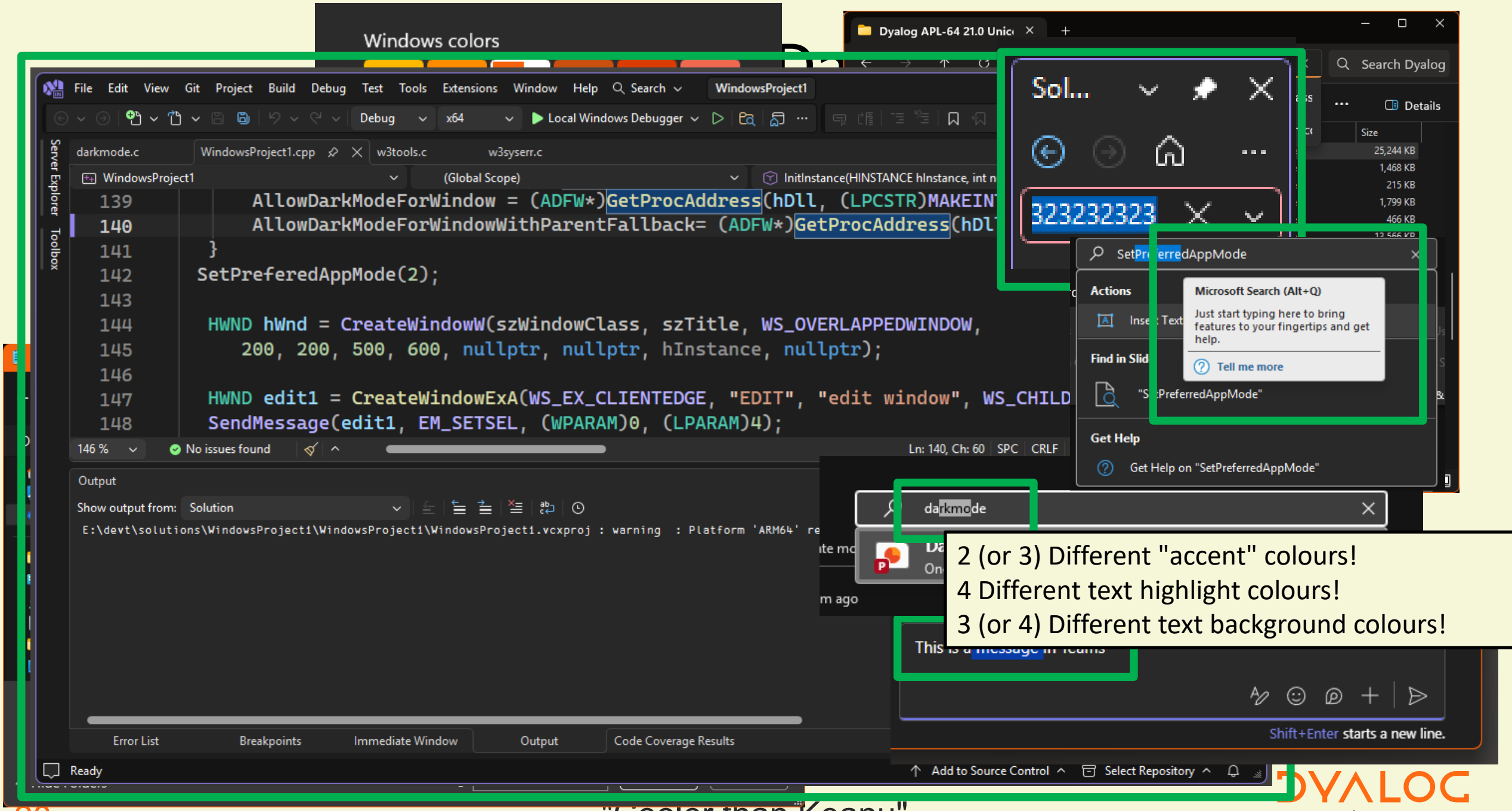
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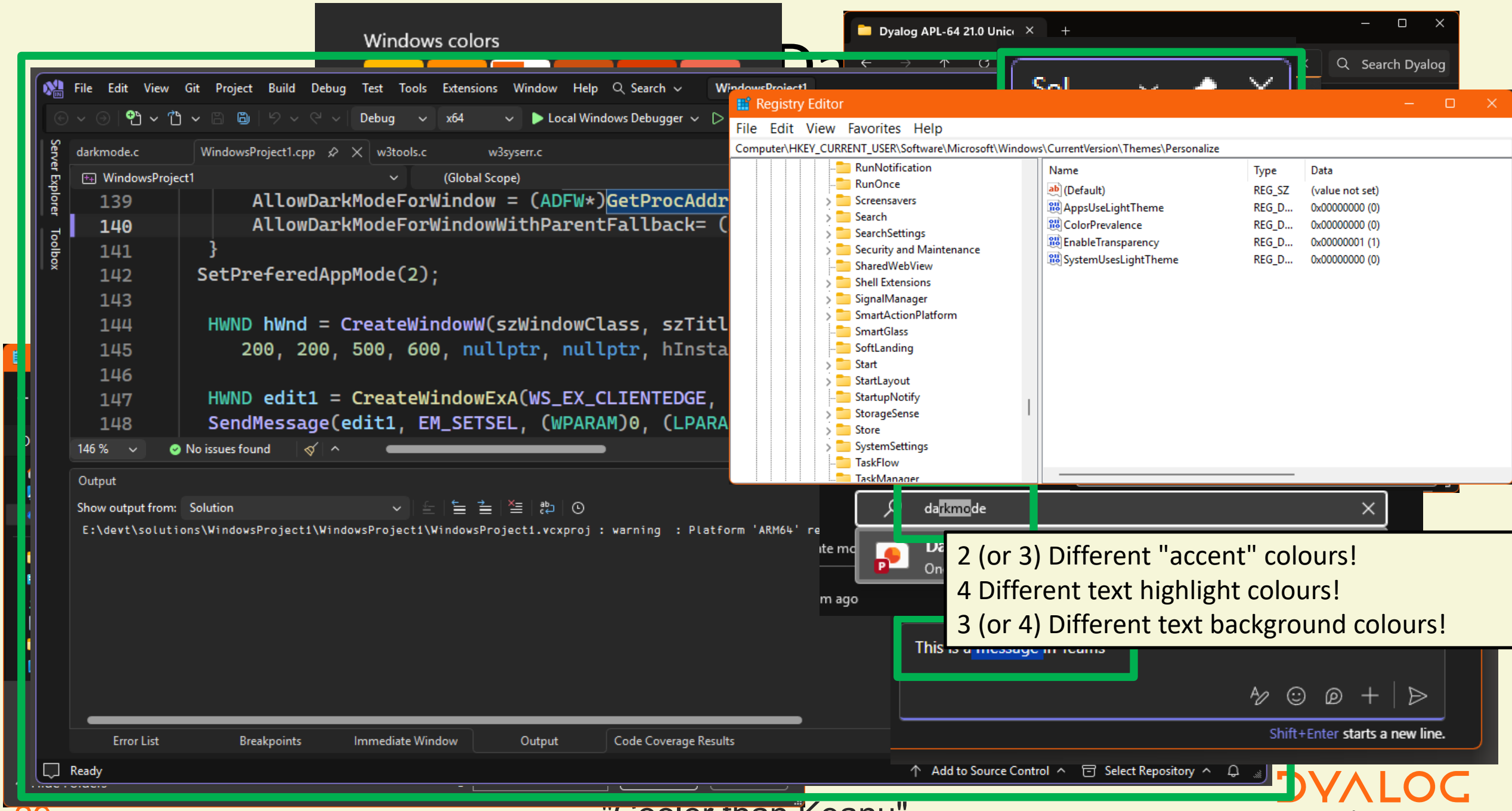
"Cooler than Keanu"



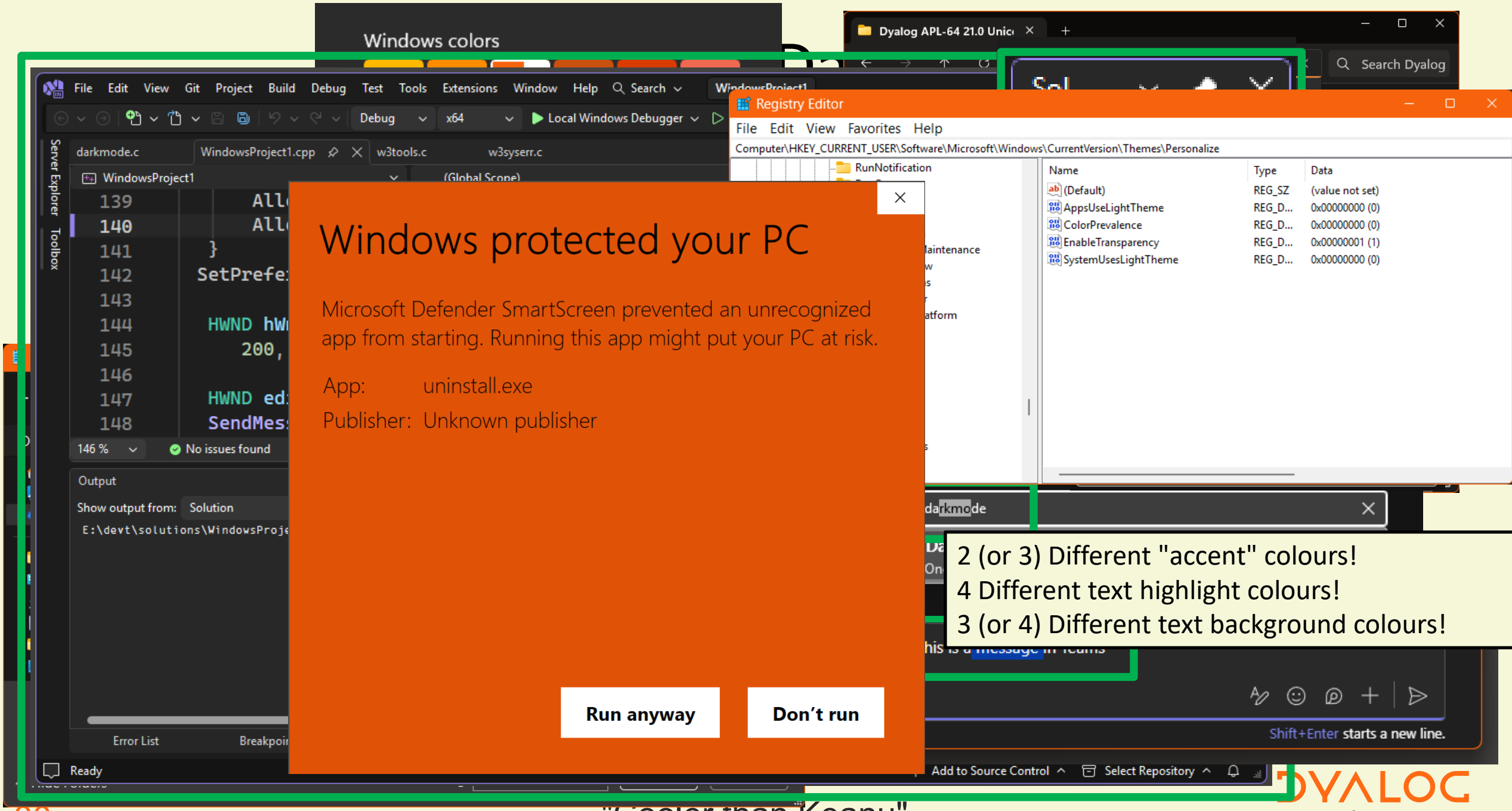
"Cooler than Keanu"



"Cooler than Keanu"



"Cooler than Keanu"



"Cooler than Keanu"

Dark Mode

- The Operating System
  - Is not very helpful, or even consistent
  - What does it give us?
    - A few APIs.

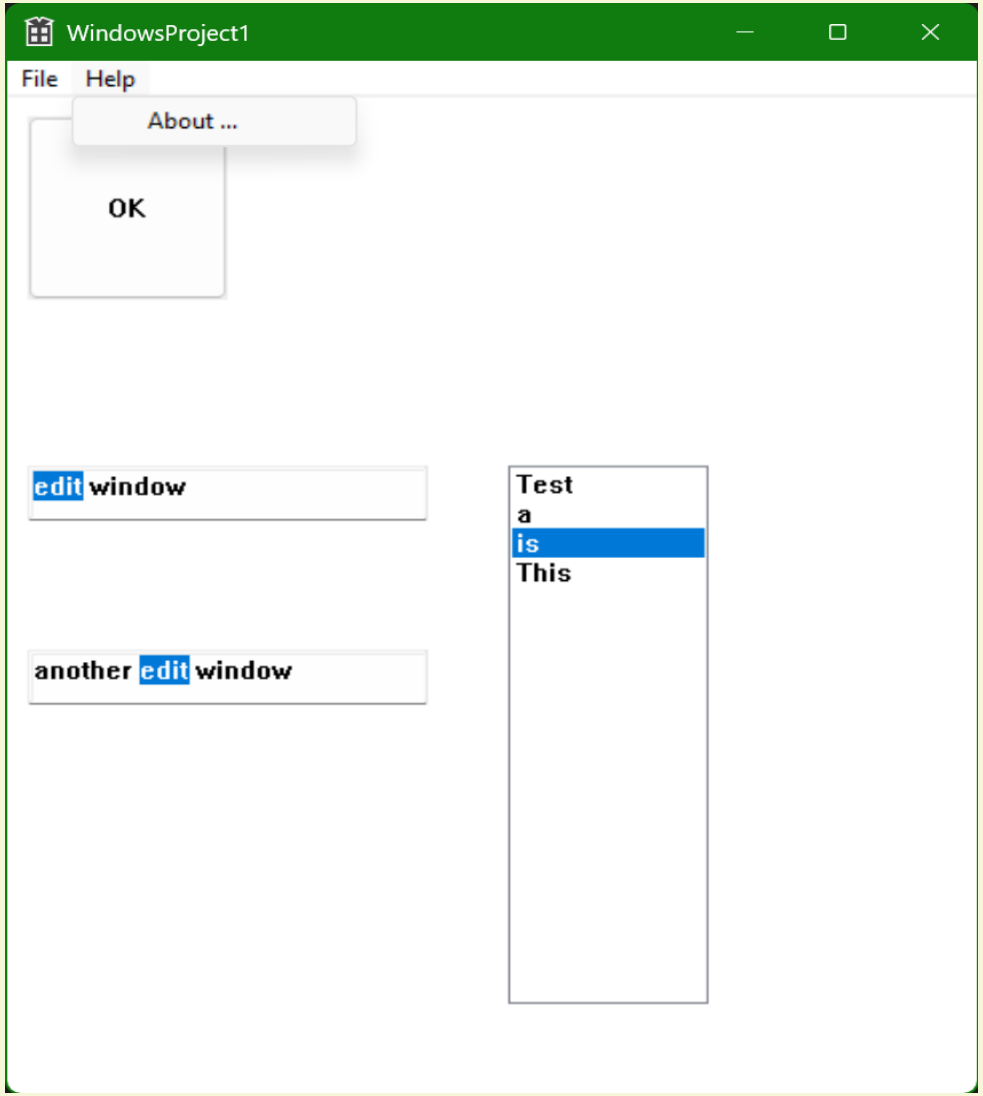
"Cooler than Keanu"

A few APIs

- SetPreferredAppMode(Boolean dark)*
  - Sounds very useful

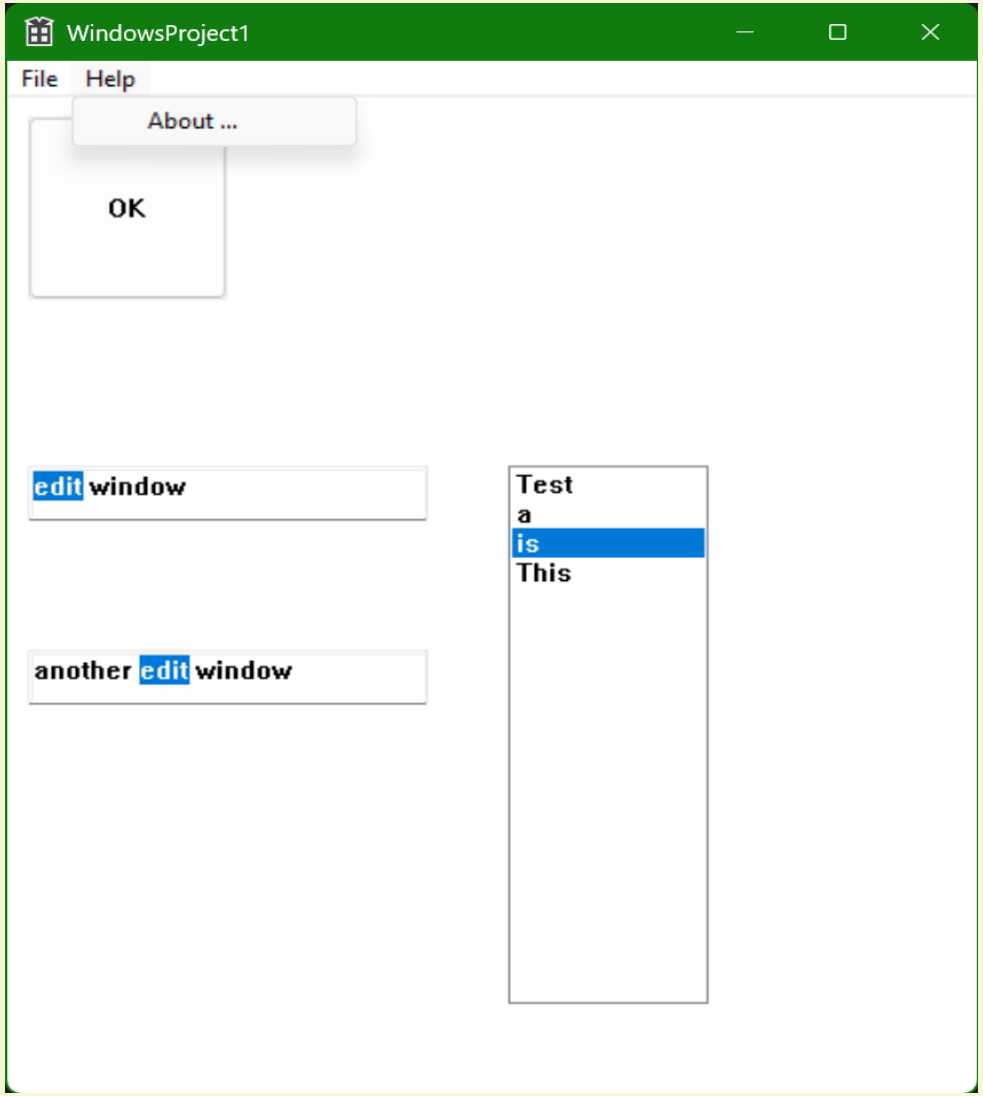
*undocumented

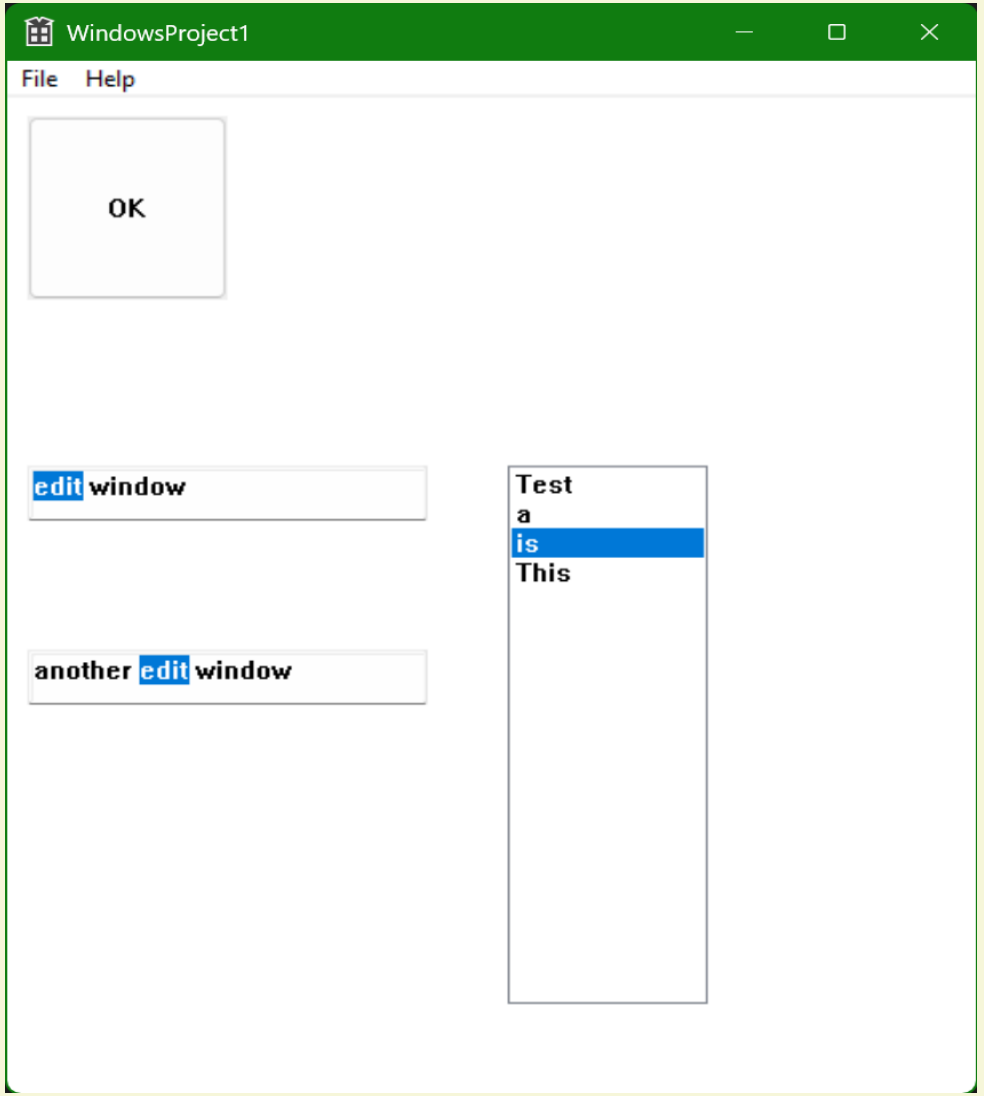
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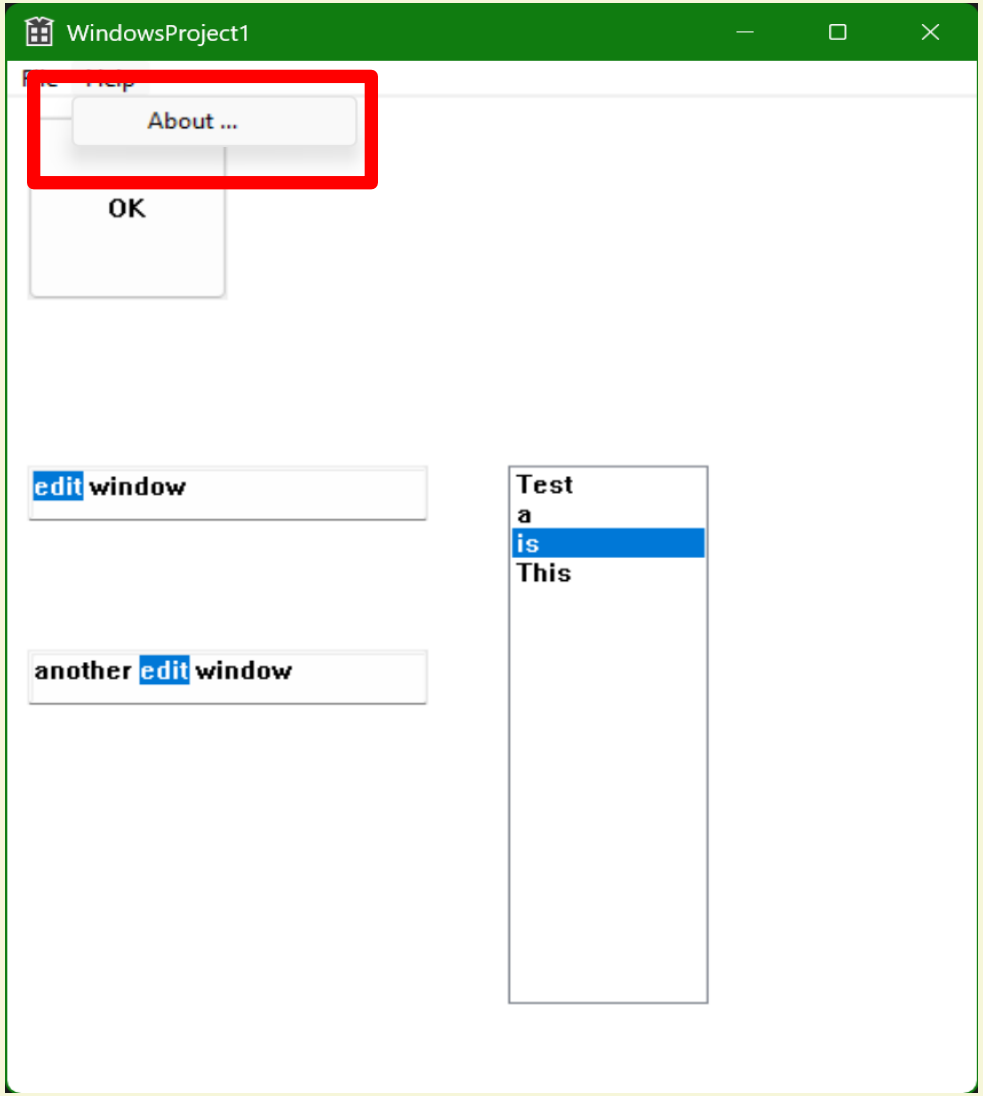
SetPreferredAppMode(true)

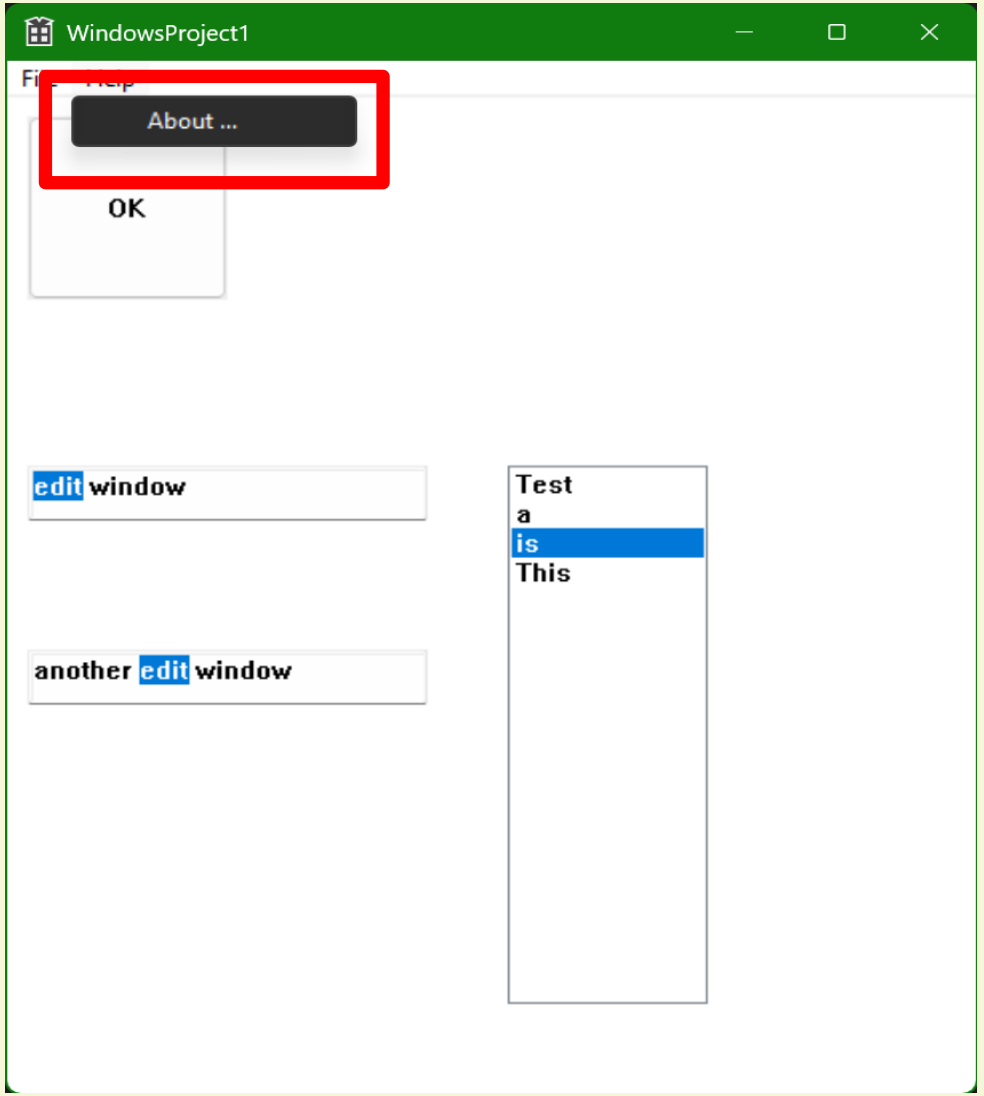




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SetPreferredAppMode(true)





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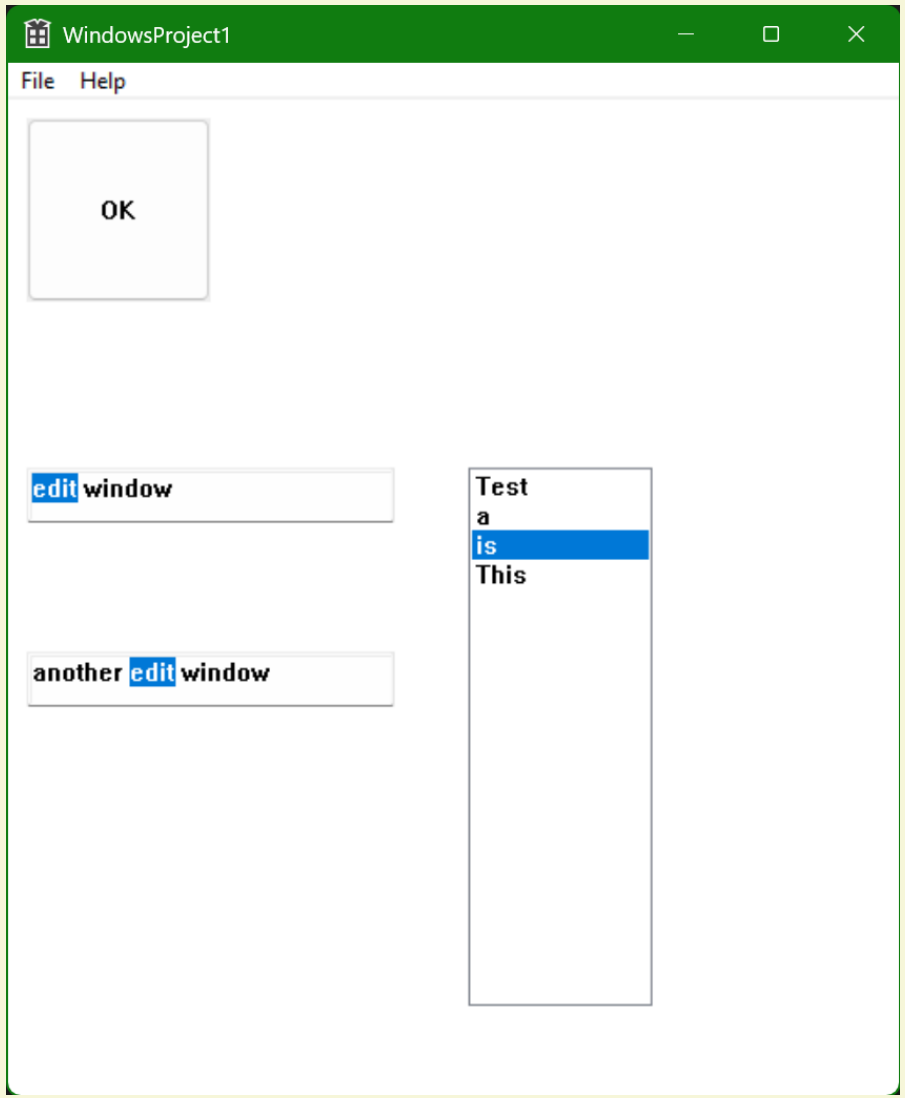
A few APIs

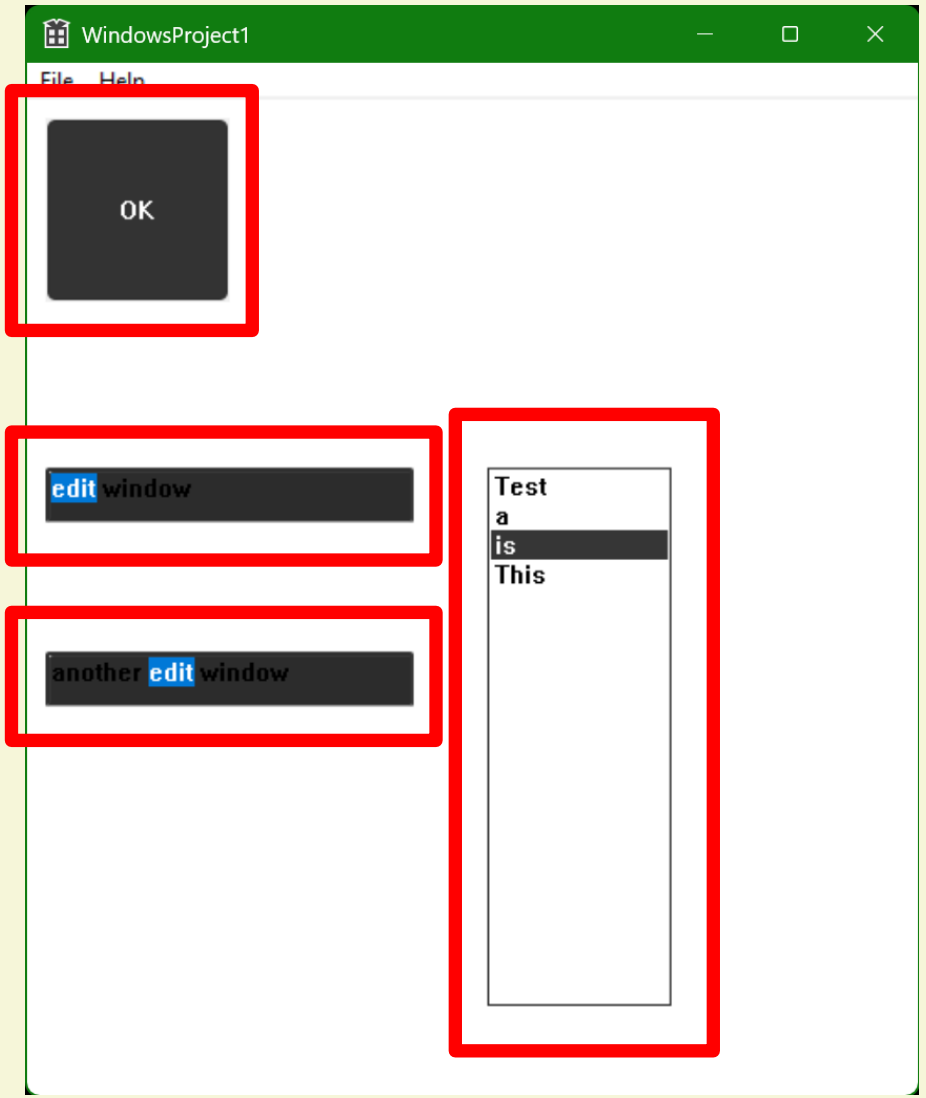
- SetPreferredAppMode()*
- SetWindowTheme()^
  - SetWindowTheme(btn ,"DarkMode_Explorer",NULL);
  - SetWindowTheme(edit,"DarkMode_Explorer",NULL);
  - SetWindowTheme(edit,"DarkMode_DarkMode",NULL);
  - SetWindowTheme(edit,"CFD",NULL);
  - SetWindowTheme(list,"DarkMode_Explorer",NULL);

*undocumented

^poorly documented (which I suppose is better than not at all)

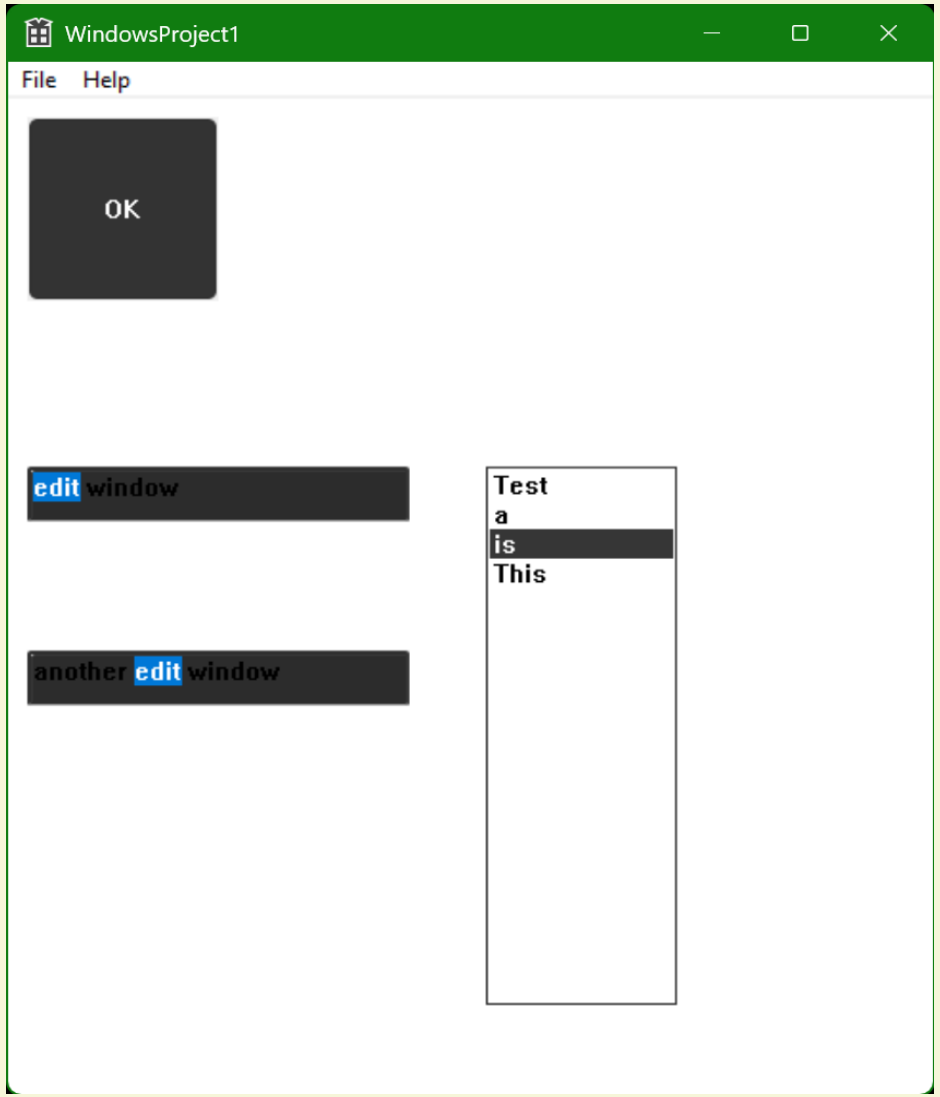
SetWindowTheme (x4)





"Cooler than Keanu"

Background Colours?




```
background=COLOR_WINDOW
background=GetSysColorBrush(COLOR_WINDOW);
background=GetSysColor(COLOR_WINDOW);

All of these "lie" and return white
even in Dark Mode!
```


"Cooler than Keanu"

Dark Mode

GetSysColor et al

- e.g. GetSysColor(COLOR_WINDOW);
- all "lie" and return white, even in Dark Mode

- API Interception
  - With "API Interception", we can make calls to (nearly) any API use our implementation of the function instead of the original.

Dark Mode

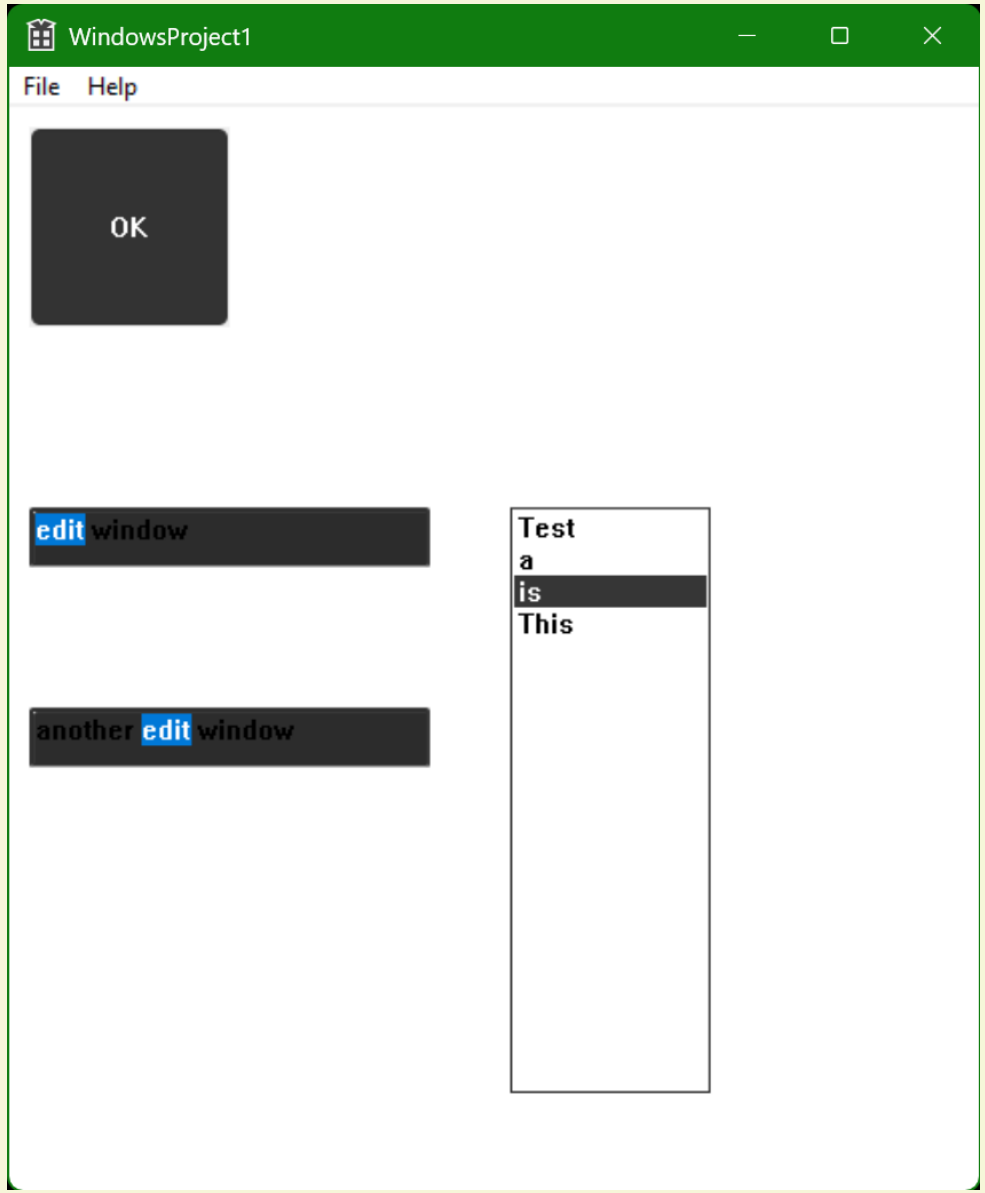
- API Interception
  - With "API Interception", we can make calls to (nearly) any API use our implementation of the function instead of the original.

Dark Mode

- API Interception
  - With "API Interception", we can make calls to (nearly) any API use our implementation of the function instead of the original.
  - Our implementation can call the original function if we wish to do so.
  - e.g. GetSysColor and GetSysColorBrush
    - So we can return whatever colour we like.
    - Call sites don't need to be changed
  - Local
    - Just calls compiled into our (Dyalog's) code
  - Global
    - All calls made from the application (even from 3rd party libraries)
    - https://github.com/microsoft/Detours

"Cooler than Keanu"

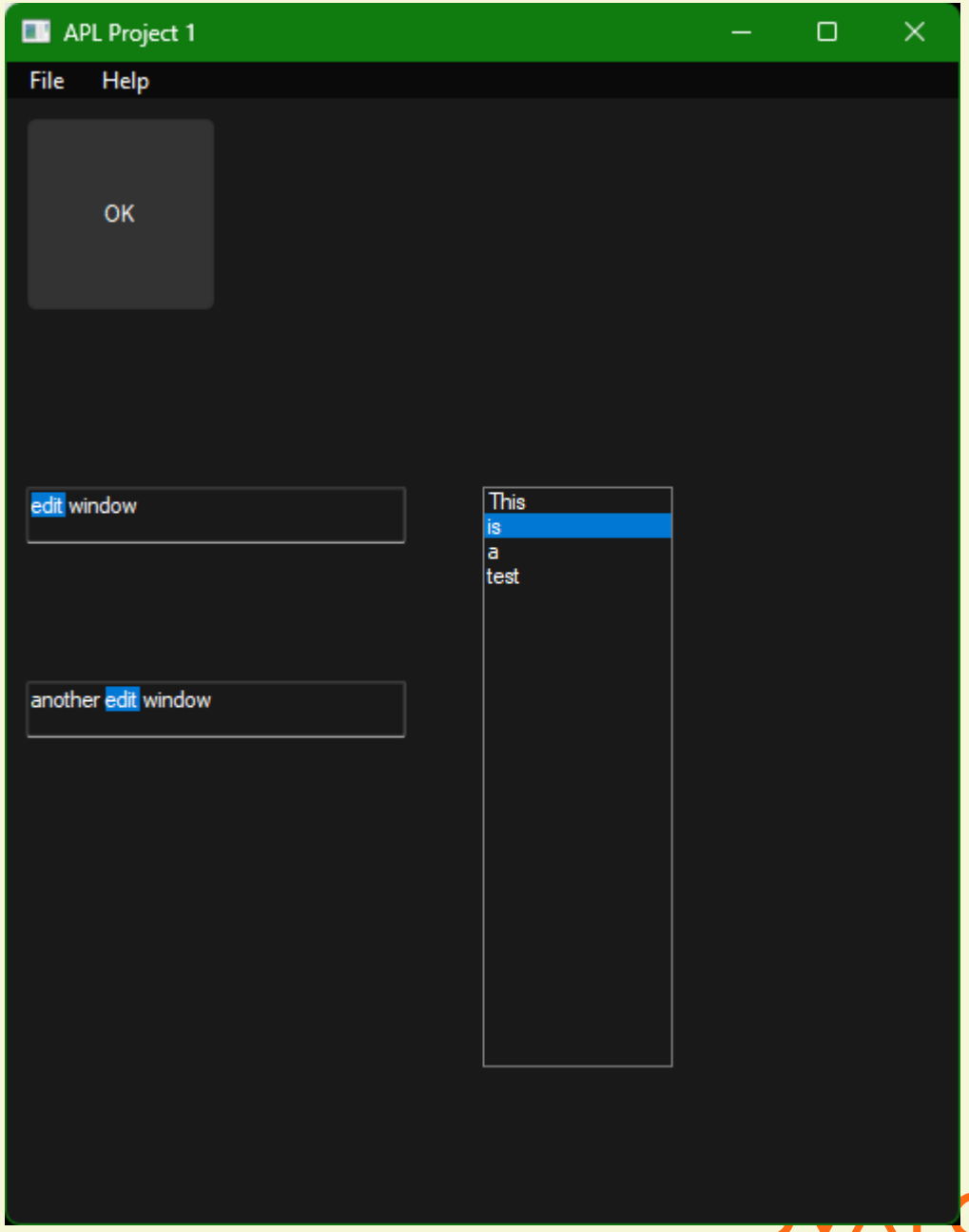
```
background=GetSysColorBrush(COLOR_WINDOW);
```





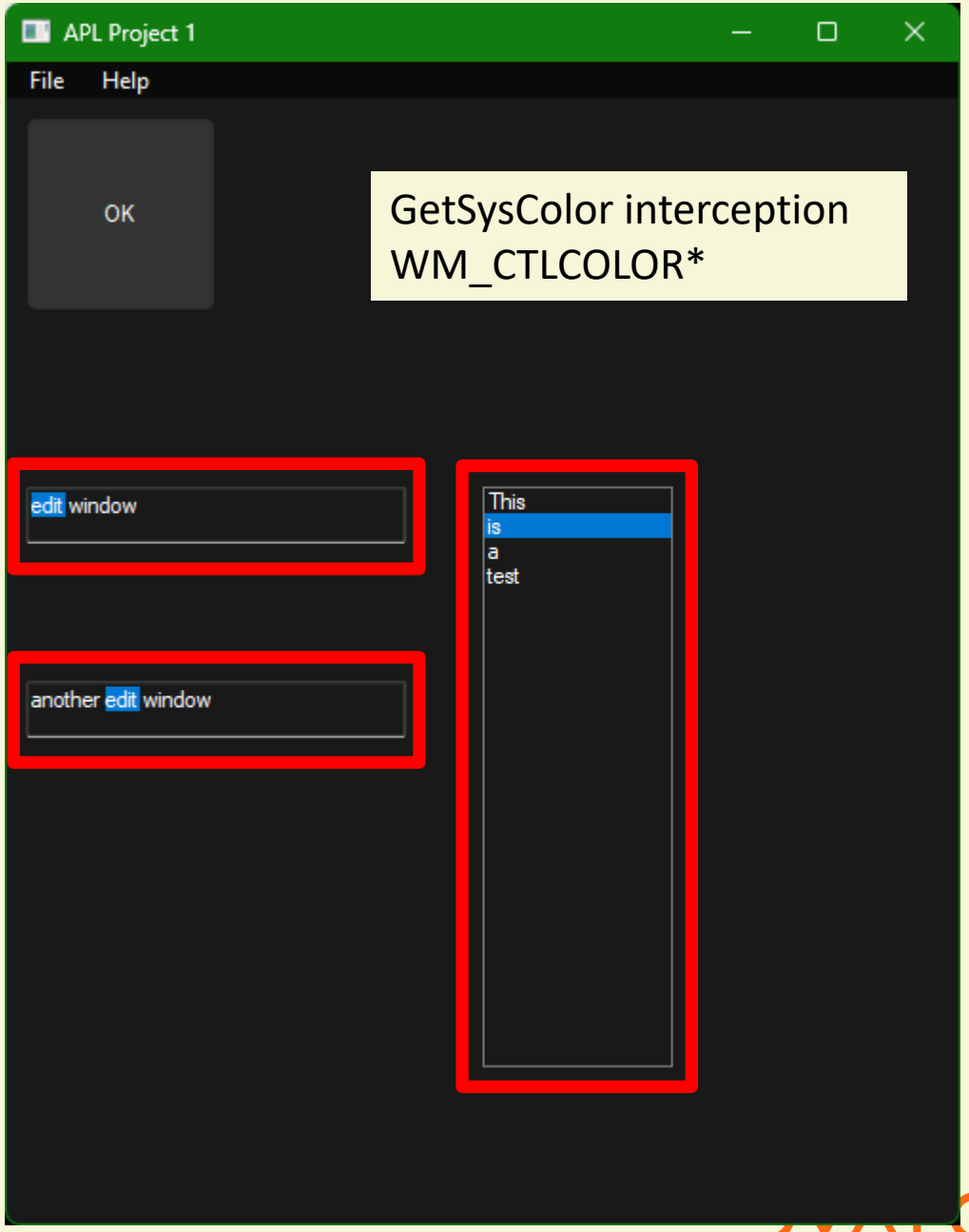
"Cooler than Keanu"





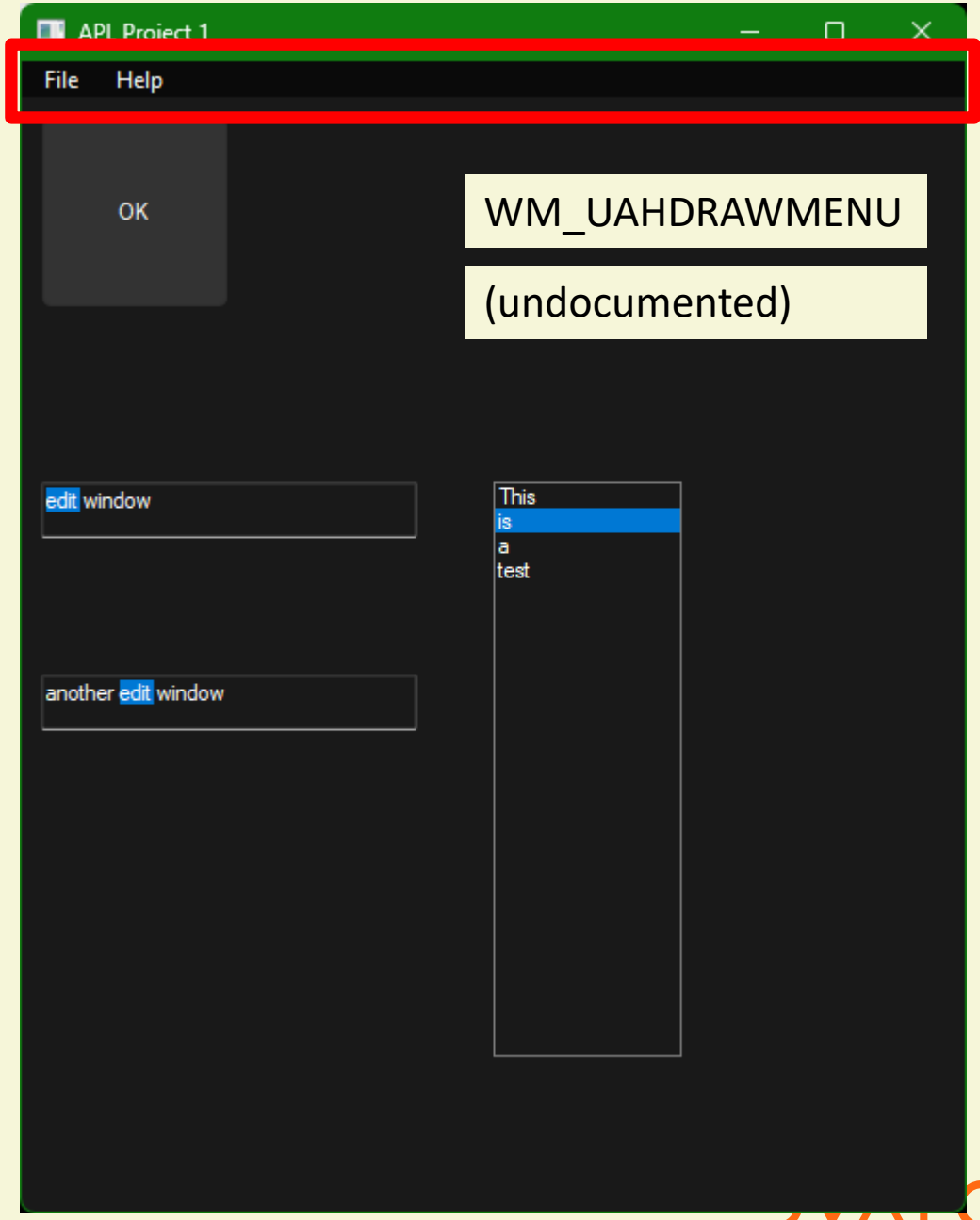
"Cooler than Keanu"



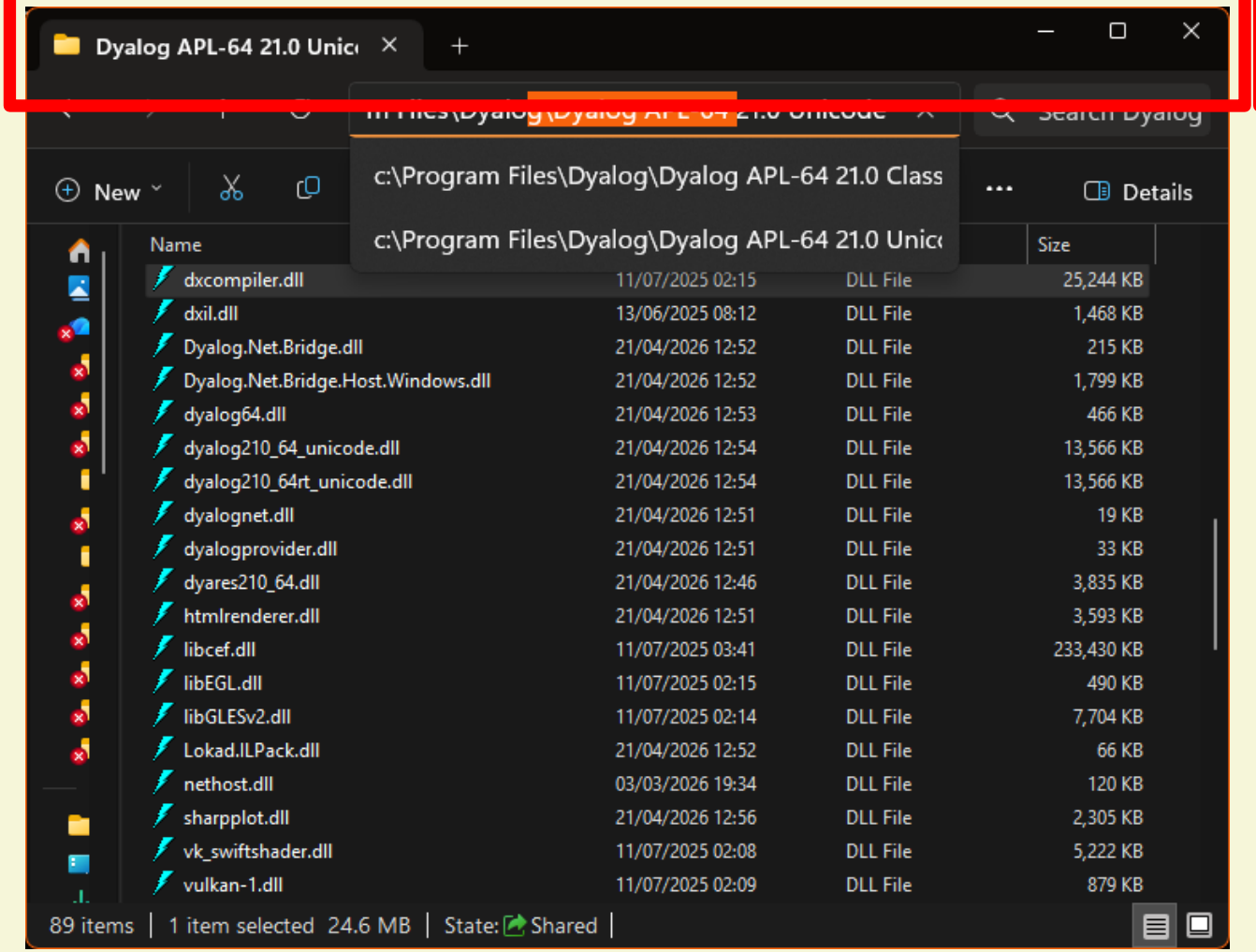


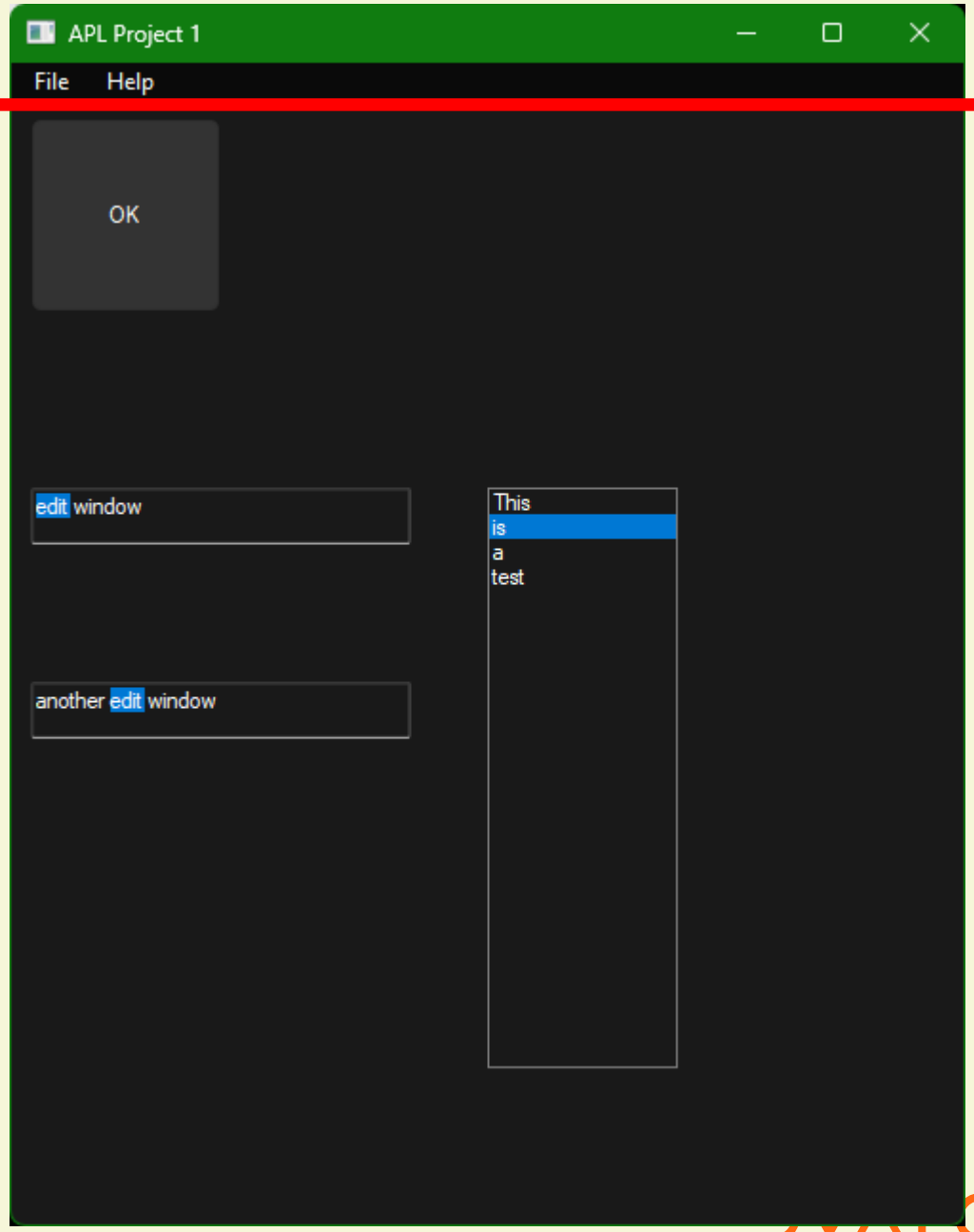
"Cooler than Keanu"



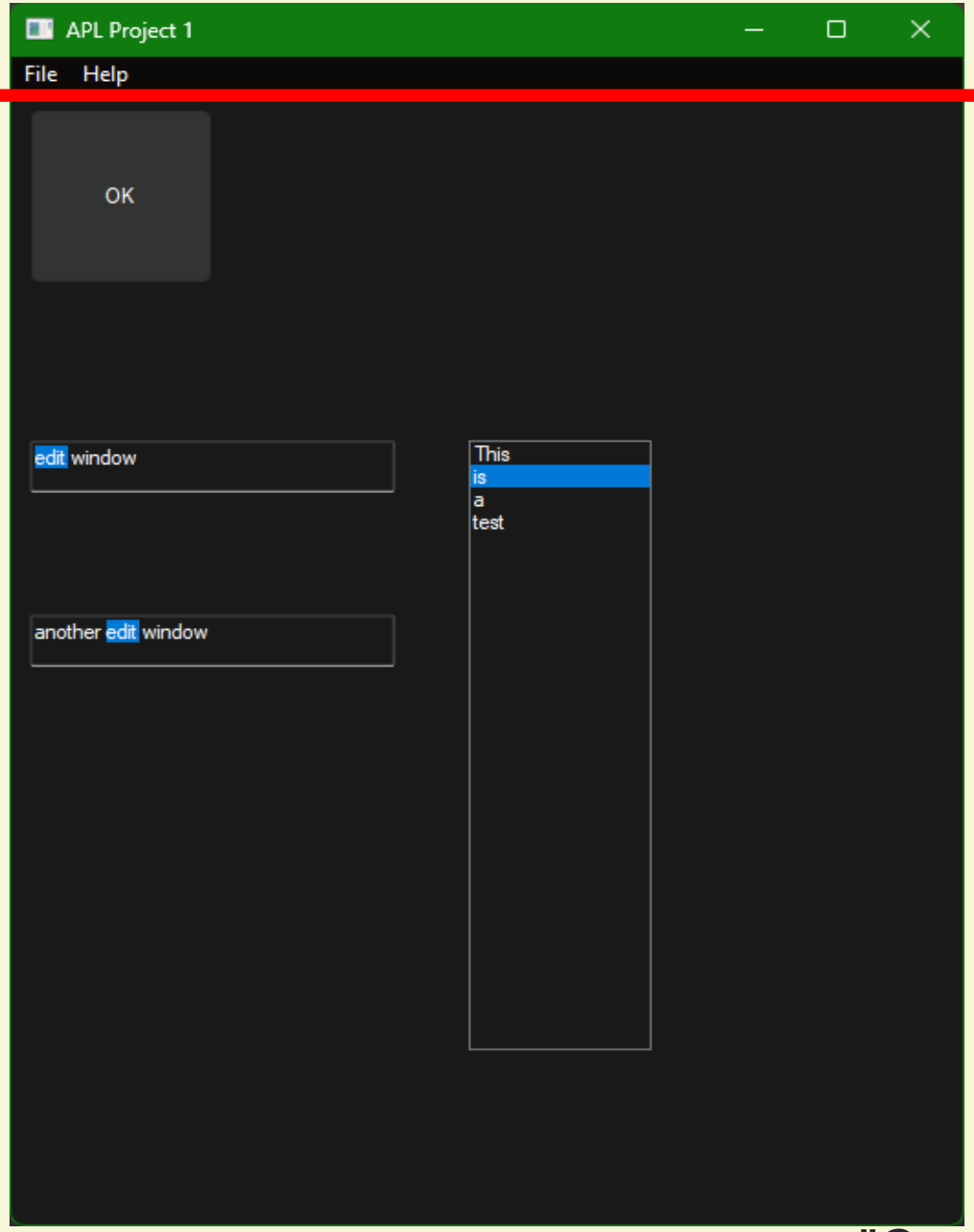


"Cooler than Keanu"





"Cooler than Keanu"




```
COLORREF darkColor = RGB(0, 0, 0);
COLORREF lightColor = RGB(255,255,255);

DwmSetWindowAttribute(hWnd,
                      DWMWA_CAPTION_COLOR,
                      &darkColor,
                      sizeof(darkColor));
DwmSetWindowAttribute(hWnd,
                      DWMWA_TEXT_COLOR,
                      &lightColor,
                      sizeof(lightColor));
```

"Cooler than Keanu"

So, where are we at?

- Windows 11 and up
- Dyalog 21.0
- Single switch
  - DYALOG_DARKMODE
- What does this mean for you?
  - GUI from APL code

```
foo
'f' ⎕wc 'form' 'APL Project 1' (200 200)(600
500)('coord' 'scaledpixel')
'f.e1' ⎕wc 'edit' 'edit window' (200 10)(30 200)
f.e1.SelText←1 5
'f.l' ⎕wc 'list' '' (200 250)(300 100)
f.l.Items←'This' 'is' 'a' 'test'
f.l.SelItems←2=⍳4
'f.e2' ⎕wc 'edit' 'another edit window' (300 10)(30 200)
f.e2.SelText←9 13
'f.b' ⎕wc 'button' 'OK' (10 10)(100 100)

'f.mb' ⎕wc 'menubar'
'f.mb.f' ⎕wc 'menu' 'File'
'f.mb.f.e' ⎕wc 'menuitem' 'Exit'
'f.mb.h' ⎕wc 'menu' 'Help'
'f.mb.h.a' ⎕wc 'menuitem' 'About...'
```


"Cooler than Keanu"

Dark Mode

Demo (DYALOG_DARKMODE=0 and 22)*

*22=2+4+16

*0=0

"Cooler than Keanu"

DYALOG_DARKMODE

- Currently a combination of bits:
  - 0x00 // off
  - 0x01 // use the system setting
  - 0x02 // on
  - 0x04 // local interception
  - 0x08 // process interception
  - 0x10 // interpreter draws captions
  - 0x20 // ignore APL BCol etc
- E.G. DYALOG_DARKMODE=22 : (0x16)=on + local + captions

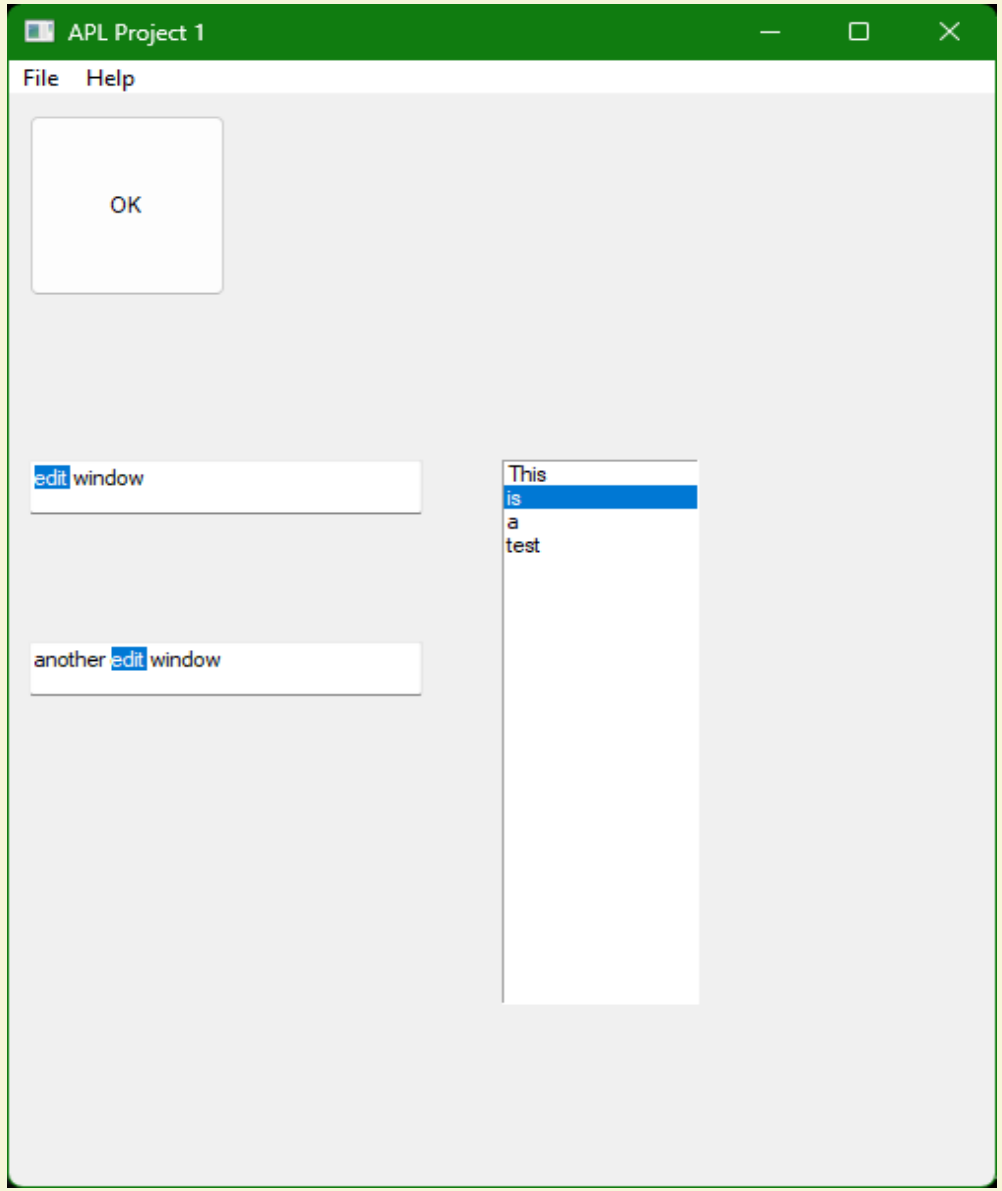
Dark Mode

Demo (DYALOG_DARKMODE=0 and 22)*

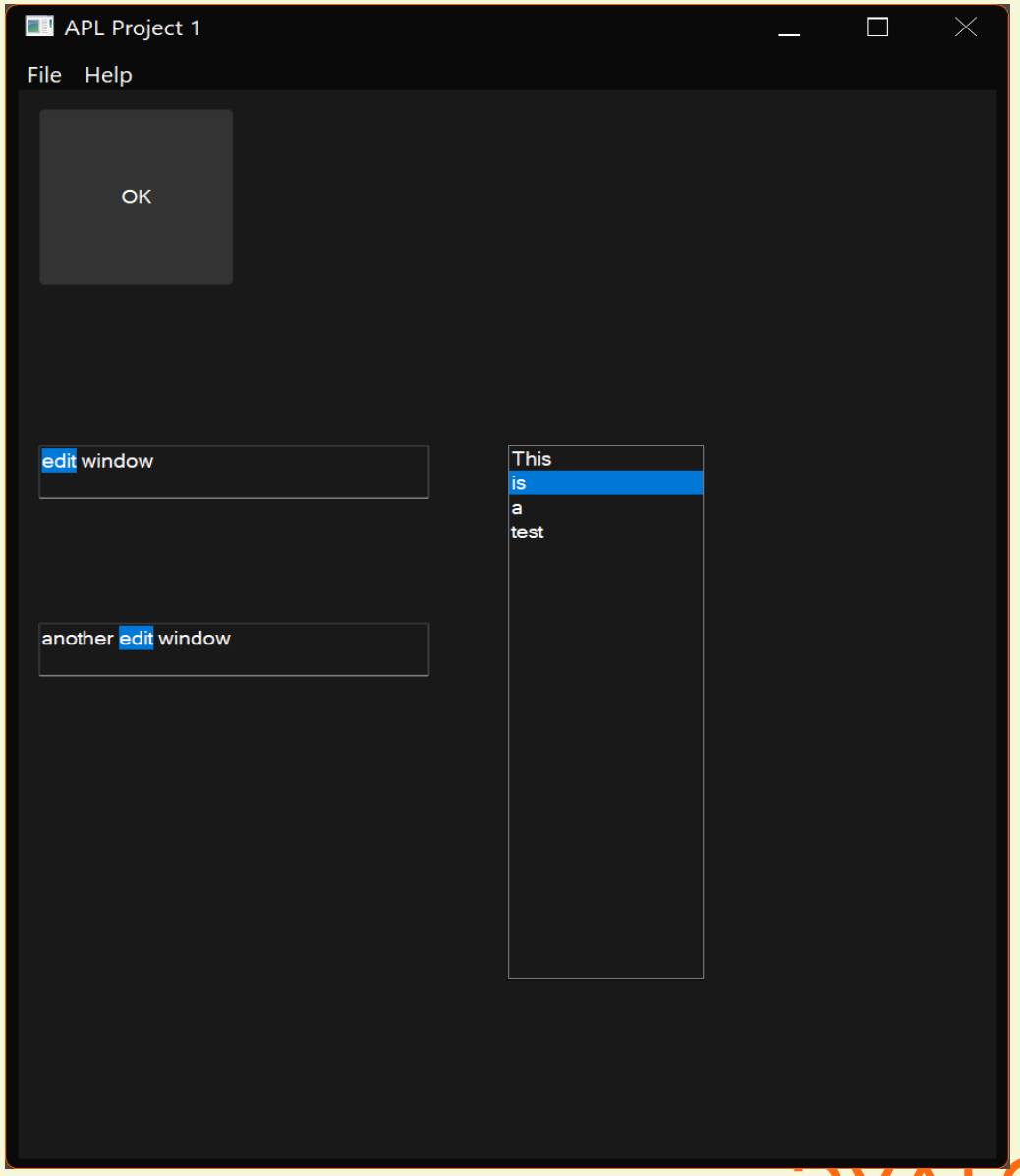
*22=on + local + captions *0=off

"Cooler than Keanu"

DYALOG_DARKMODE=0

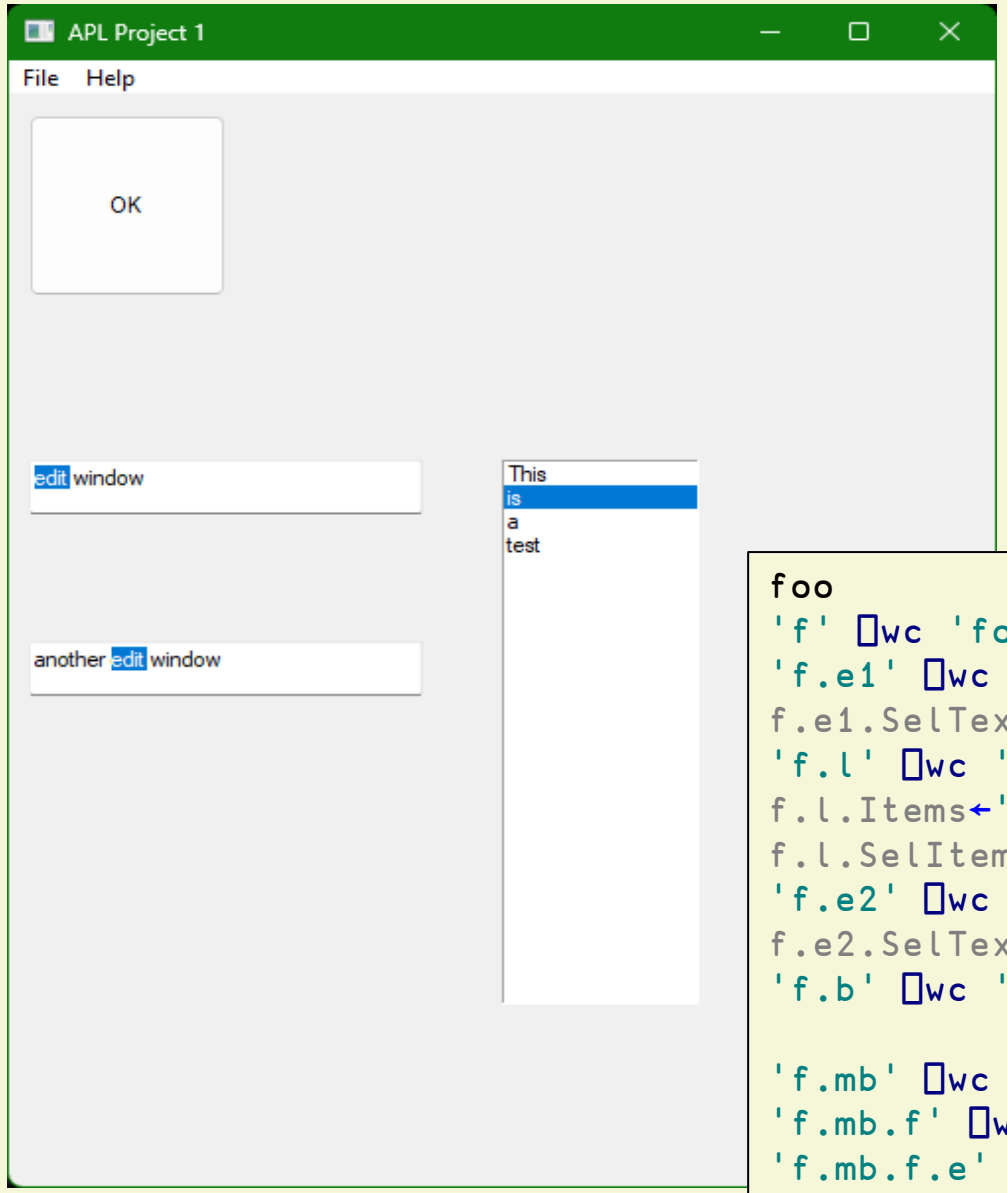


DYALOG_DARKMODE=22

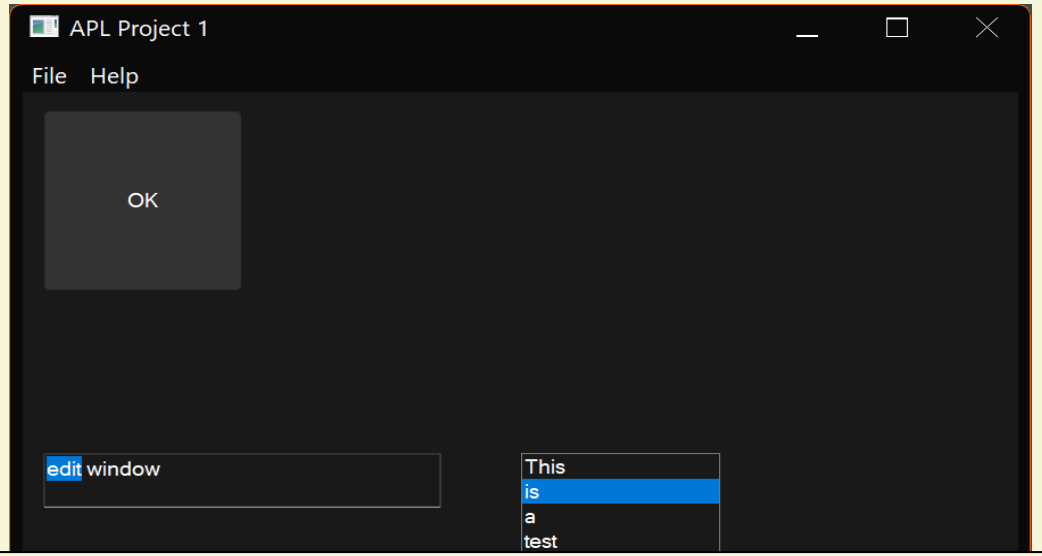


"Cooler than Keanu"

DYALOG_DARKMODE=0

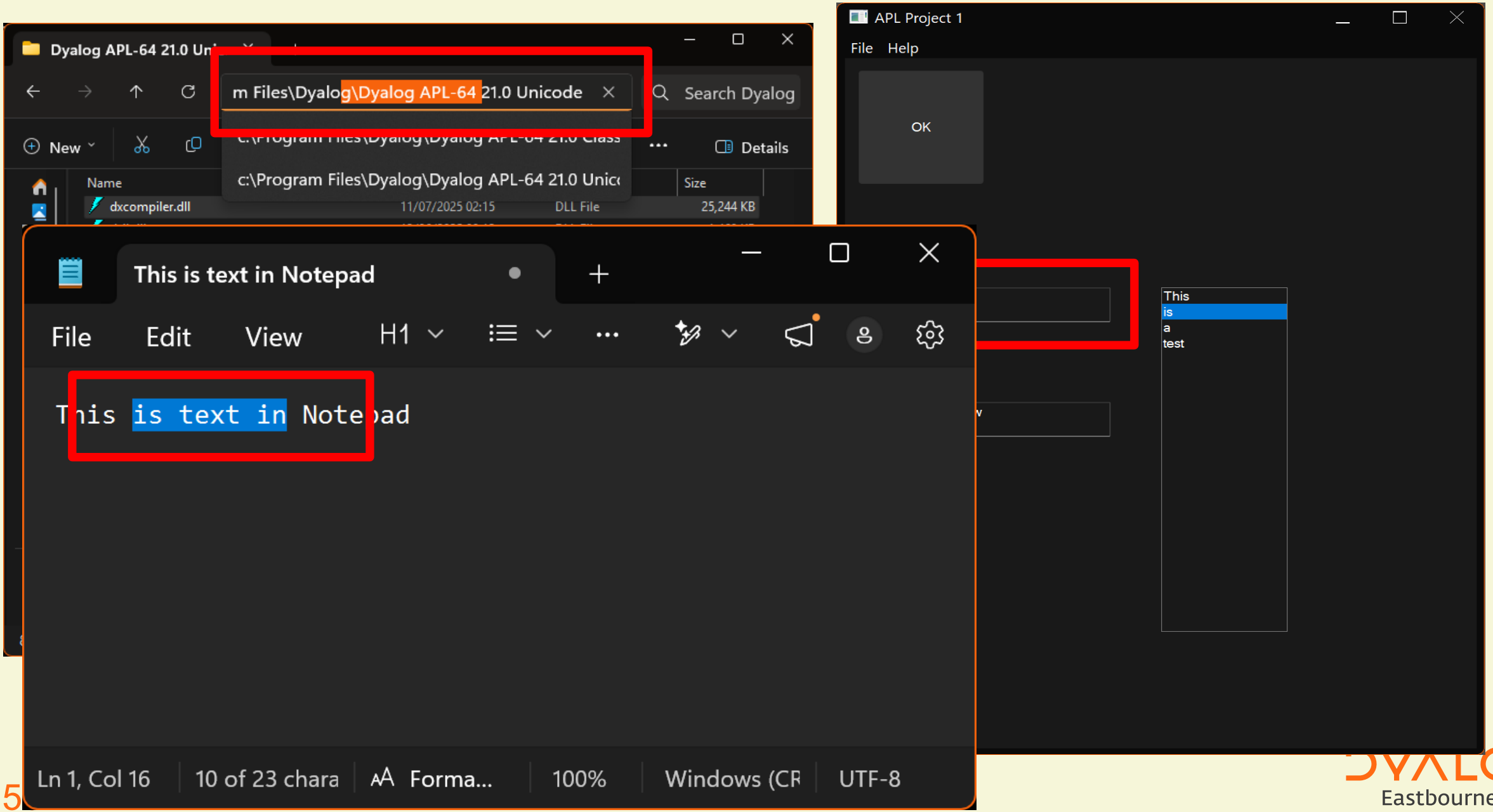


DYALOG_DARKMODE=22




```
foo
'f' ⎕wc 'form' 'APL Project 1' (200 200)(600 500)('coord' 'scaledpixel')
'f.e1' ⎕wc 'edit' 'edit window' (200 10)(30 200)
f.e1.SelText←1 5
'f.l' ⎕wc 'list' '' (200 250)(300 100)
f.l.Items←'This' 'is' 'a' 'test'
f.l.SelItems←2=⍳4
'f.e2' ⎕wc 'edit' 'another edit window' (300 10)(30 200)
f.e2.SelText←9 13
'f.b' ⎕wc 'button' 'OK' (10 10)(100 100)

'f.mb' ⎕wc 'menubar'
'f.mb.f' ⎕wc 'menu' 'File'
'f.mb.f.e' ⎕wc 'menuitem' 'Exit'
'f.mb.h' ⎕wc 'menu' 'Help'
'f.mb.h.a' ⎕wc 'menuitem' 'About...'
```


Dyalog APL-64 21.0 Uni
m Files\Dyalog\Dyalog APL-64 21.0 Unicode
Search Dyalog
New
Details
c:\Program Files\Dyalog\Dyalog APL-64 21.0 Unic
Name
Size
dxcompiler.dll
11/07/2025 02:15
DLL File
25,244 KB
This is text in Notepad
File
Edit
View
H1
This is text in Notepad
Ln 1, Col 16
10 of 23 chara
Forma...
100%
Windows (CR
UTF-8
APL Project 1
File
Help
OK
This
is
a
test

So, what will that mean?

- Windows 11 and up
- Dyalog 21.0
- Single switch
  - DYALOG_DARKMODE
- What does this mean for you?
  - GUI from APL code
- What does this mean for us?
  - GUI in the interpreter

Dark Mode

Let's talk interpreters
(I’ve always wanted a dark Dyalog development environment)

DYALOG_DARKMODE affects both □WC and the development environment

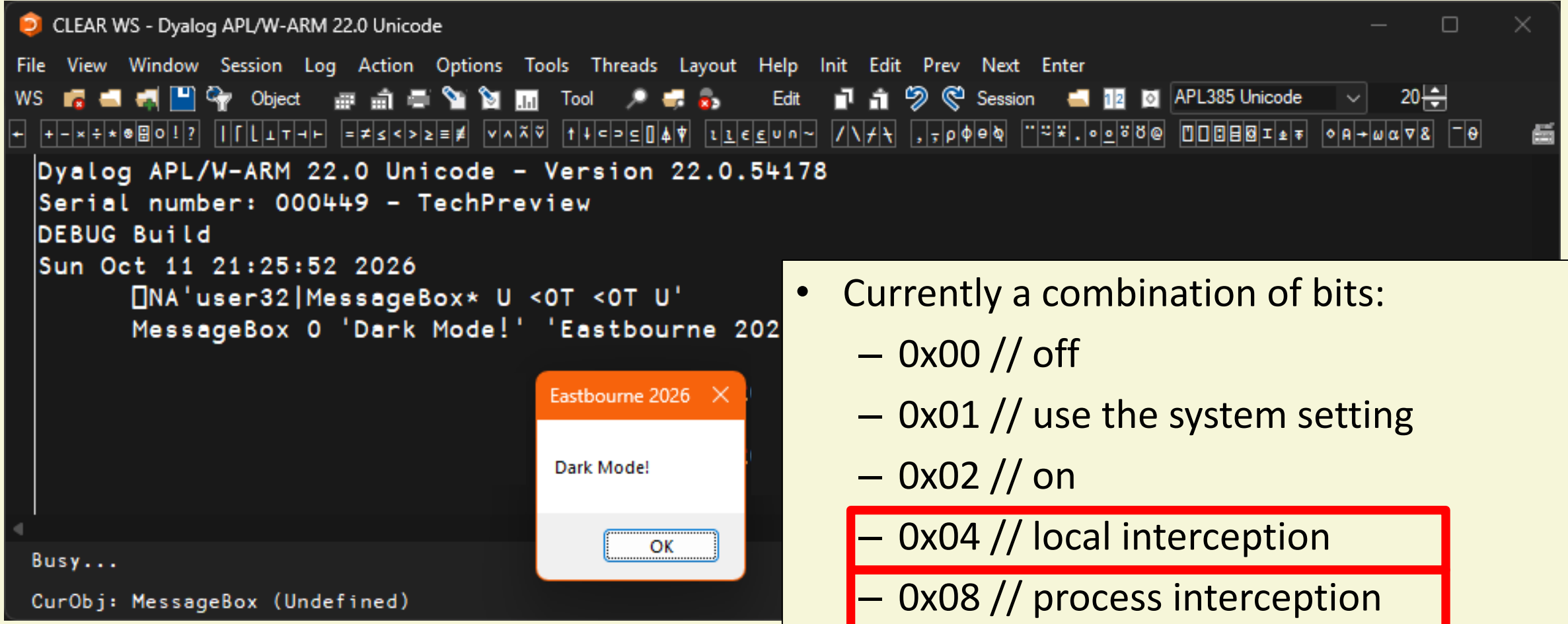
"Cooler than Keanu"

Dark Mode

Let's talk interpreters

Interpreter Demo

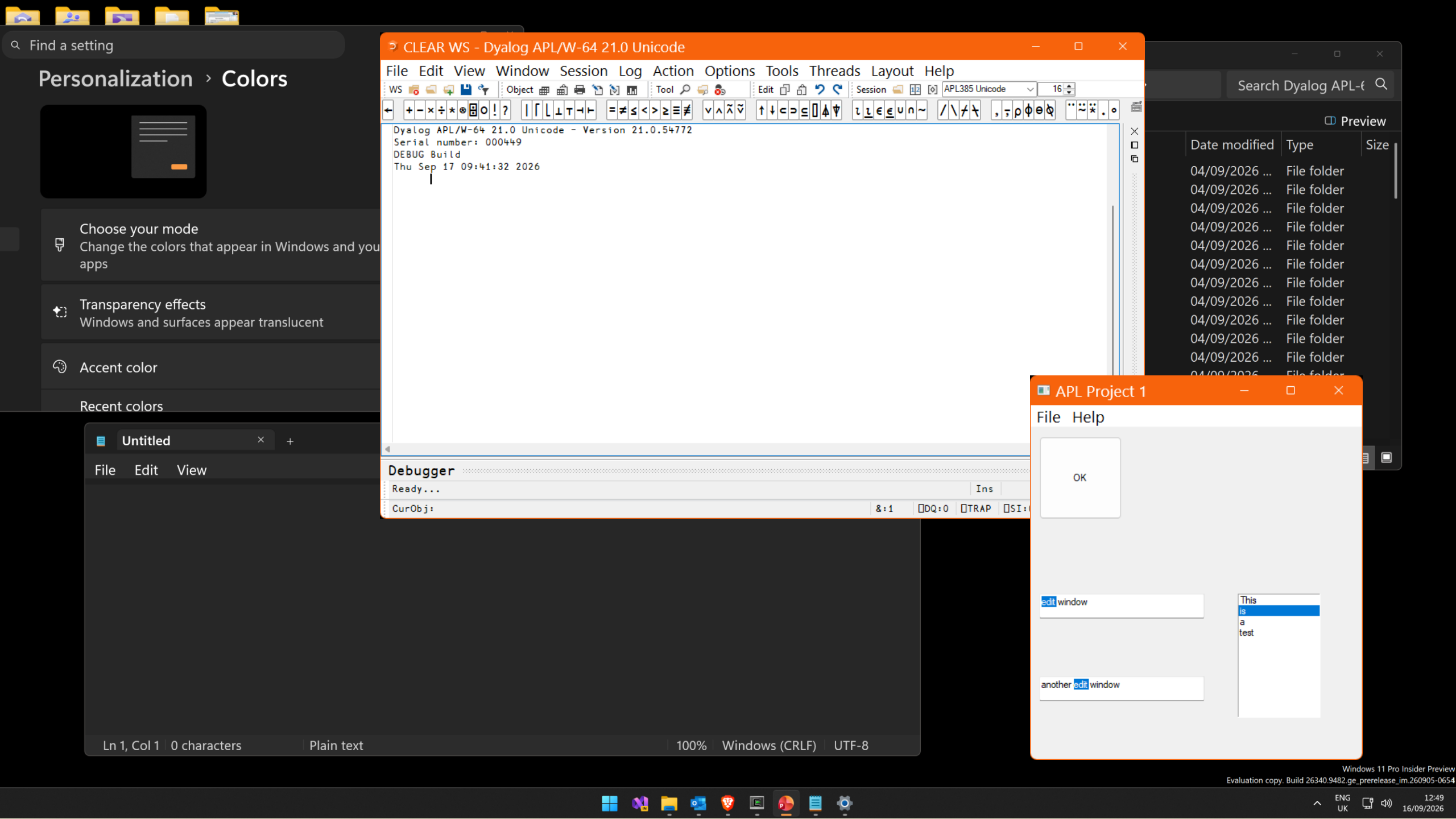
"Cooler than Keanu"

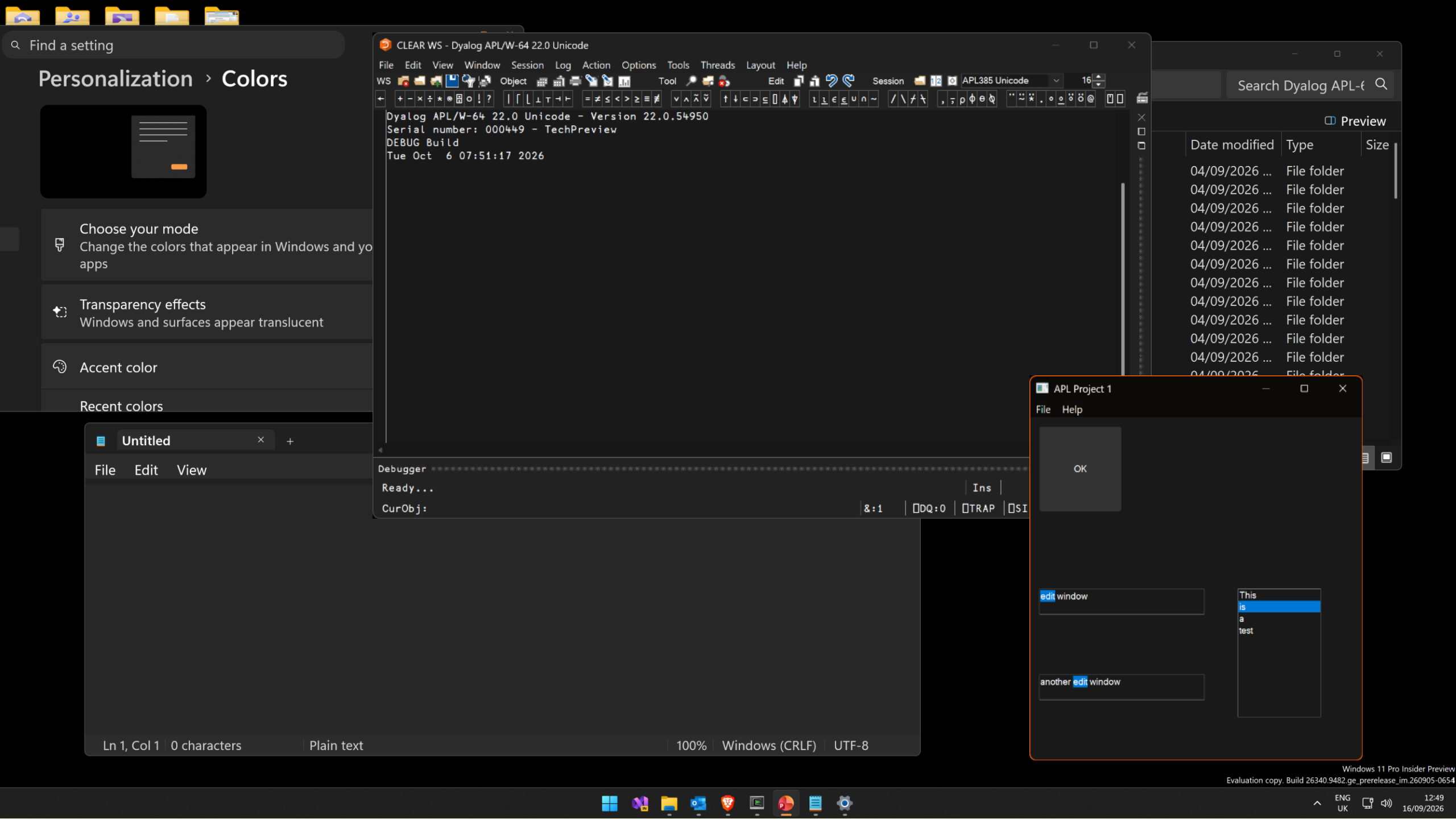


- Currently a combination of bits:
  - 0x00 // off
  - 0x01 // use the system setting
  - 0x02 // on
  - 0x04 // local interception
  - 0x08 // process interception
  - 0x10 // interpreter draws captions

- Local Interception (This time on MessageB
  - Just calls compiled into our (Dyalog's) code.
- Global Interception
  - All calls made from the application (even from 3rd party libraries)

"Cooler than Keanu"


Find a setting
Personalization › Colors
Choose your mode
Change the colors that appear in Windows and you
apps
Transparency effects
Windows and surfaces appear translucent
Accent color
Recent colors
CLEAR WS - Dyalog APL/W-64 21.0 Unicode
File Edit View Window Session Log Action Options Tools Threads Layout Help
Dyalog APL/W-64 21.0 Unicode - Version 21.0.54772
Serial number: 000449
DEBUG Build
Thu Sep 17 09:41:32 2026
Debugger
Ready...
CurObj:
Search Dyalog APL-
Preview
Date modified
Type
Size
04/09/2026 ...
File folder
Untitled
File Edit View
Ln 1, Col 1
0 characters
Plain text
100%
Windows (CRLF)
UTF-8
APL Project 1
File Help
OK
edit window
another edit window
This
is
a
test
Windows 11 Pro Insider Preview
Evaluation copy. Build 26340.9482.ge_prerelease_im.260905-0654
ENG
UK
12:49
16/09/2026


Find a setting
Personalization › Colors
Choose your mode
Change the colors that appear in Windows and yo
apps
Transparency effects
Windows and surfaces appear translucent
Accent color
Recent colors
CLEAR WS - Dyalog APL/W-64 22.0 Unicode
File Edit View Window Session Log Action Options Tools Threads Layout Help
WS Object Tool Edit Session APL385 Unicode 16
Dyalog APL/W-64 22.0 Unicode - Version 22.0.54950
Serial number: 000449 - TechPreview
DEBUG Build
Tue Oct 6 07:51:17 2026
Debugger
Ready...
Ins
CurObj:
&:1
DQ:0
TRAP
SI
Search Dyalog APL-
Preview
Date modified
Type
Size
04/09/2026 ...
File folder
Untitled
File Edit View
Ln 1, Col 1
0 characters
Plain text
100%
Windows (CRLF)
UTF-8
APL Project 1
File Help
OK
edit window
another edit window
This
is
a
test
Windows 11 Pro Insider Preview
Evaluation copy. Build 26340.9482.ge_prerelease_im.260905-0654
ENG
UK
12:49
16/09/2026

Dark Mode

But what about *your* application?

"Cooler than Keanu"

Dark Mode

Well, let's look at some

"Cooler than Keanu"

METSIM-2025.07 U:\mantis\022972\Transform Test 2

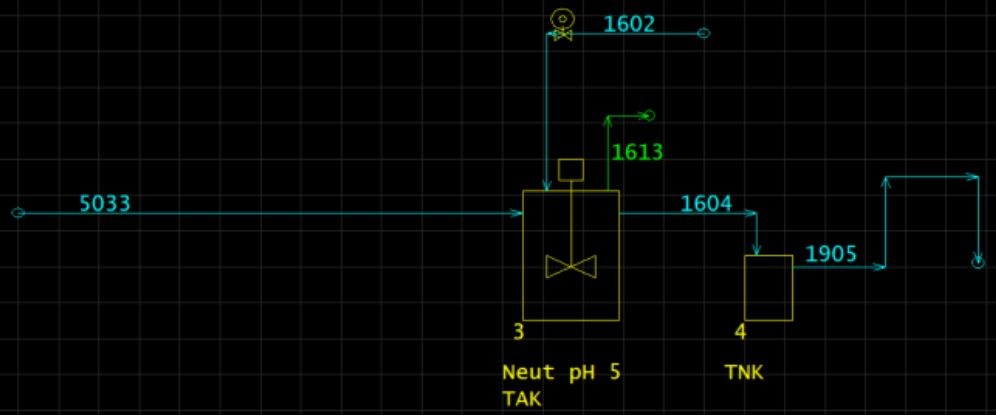
File Input Comp Merge Weather Dynamic Mine Heap Calc Display Engr Costs Graphics Output Tools Help Move

AGE 15:13:05 KEY# 5113

COMPONENTS

Balance para pruebas

STREAM NO.



COMPON...

OK

```
SI  1 sC
SI  2 sFeOOH
SI  3 sFe(OH)3
SI  4 sCaSO4 2H
SI  5 sCa(OH)2
SI  6 sCaSO4
SI  7 sCa3P2O8
SI  8 sAl(OH)3
SI  9 sZn(OH)2
SI 10 sAs2O3
SI 11 sCu(OH)2
LI 12 aH2O
LI 13 aHCl
LI 14 aH2SO4
LI 15 aH3PO4
LI 16 aFe2SO43
LI 17 aAl2SO43
LI 18 aMgSO4
LI 19 aMgCl2
LI 20 aCaSO4
LI 21 aCa(OH)2
LI 22 aCaCl2
LI 23 aZnSO4
LI 24 aK2SO4
LI 25 aNaOH
LI 26 aNa2SO4
LI 27 aNaCl
```

ETP

METSIM-2025.07 U:\mantis\022972\Transform Test 2

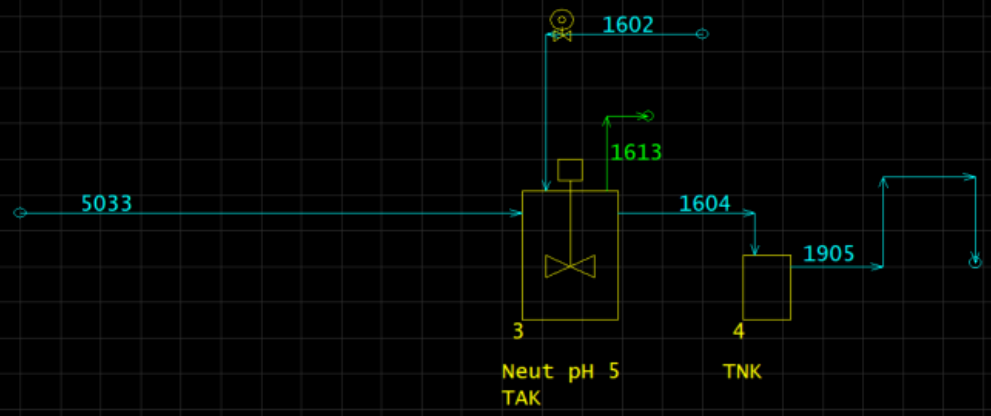
File Input Comp Merge Weather Dynamic Mine Heap Calc Display Engr Costs Graphics Output Tools Help Move

AGE 15:11:25 KEY# 5113

COMPONENTS

Balance para pruebas

STREAM NO.

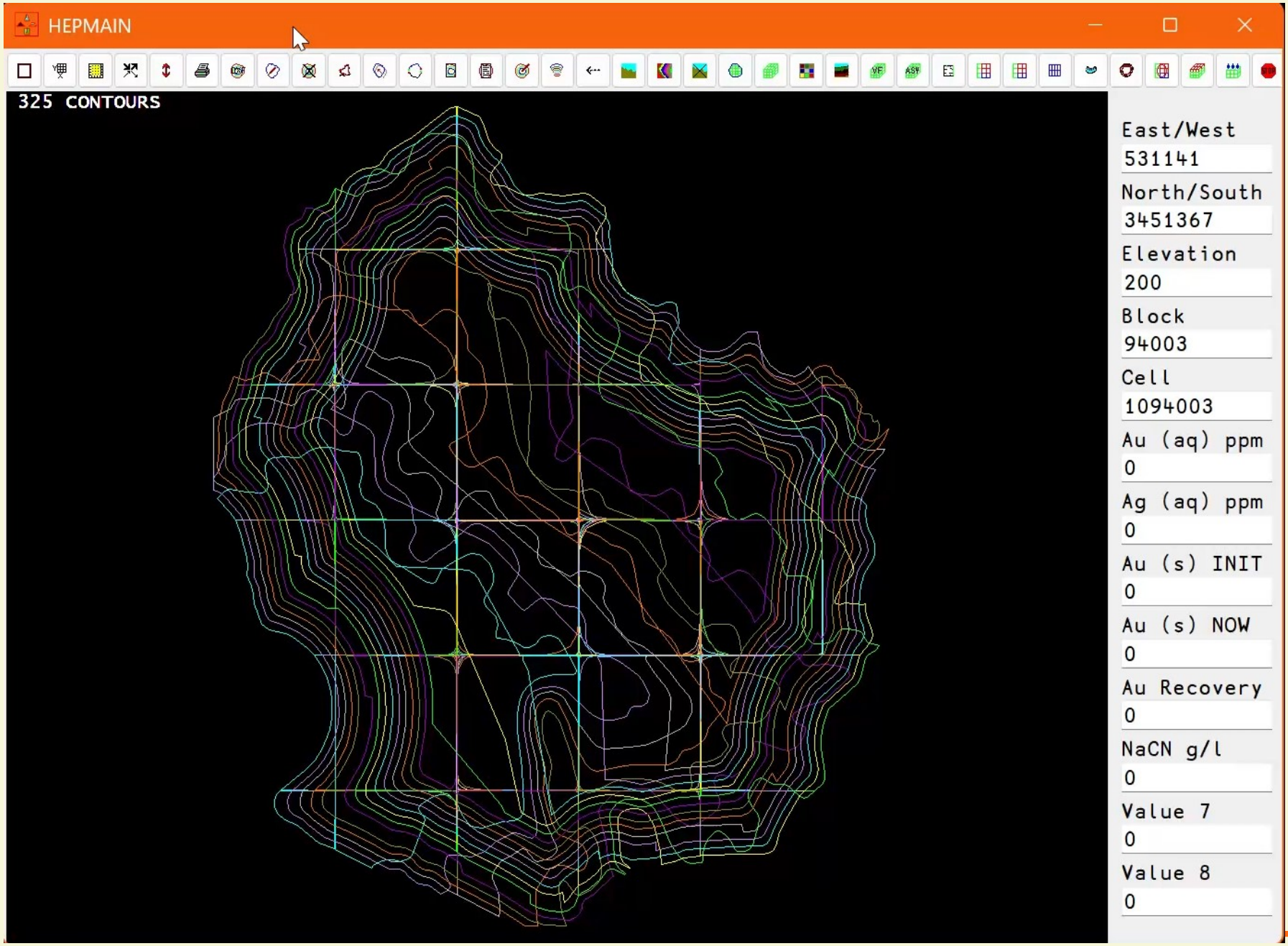


COMPON...

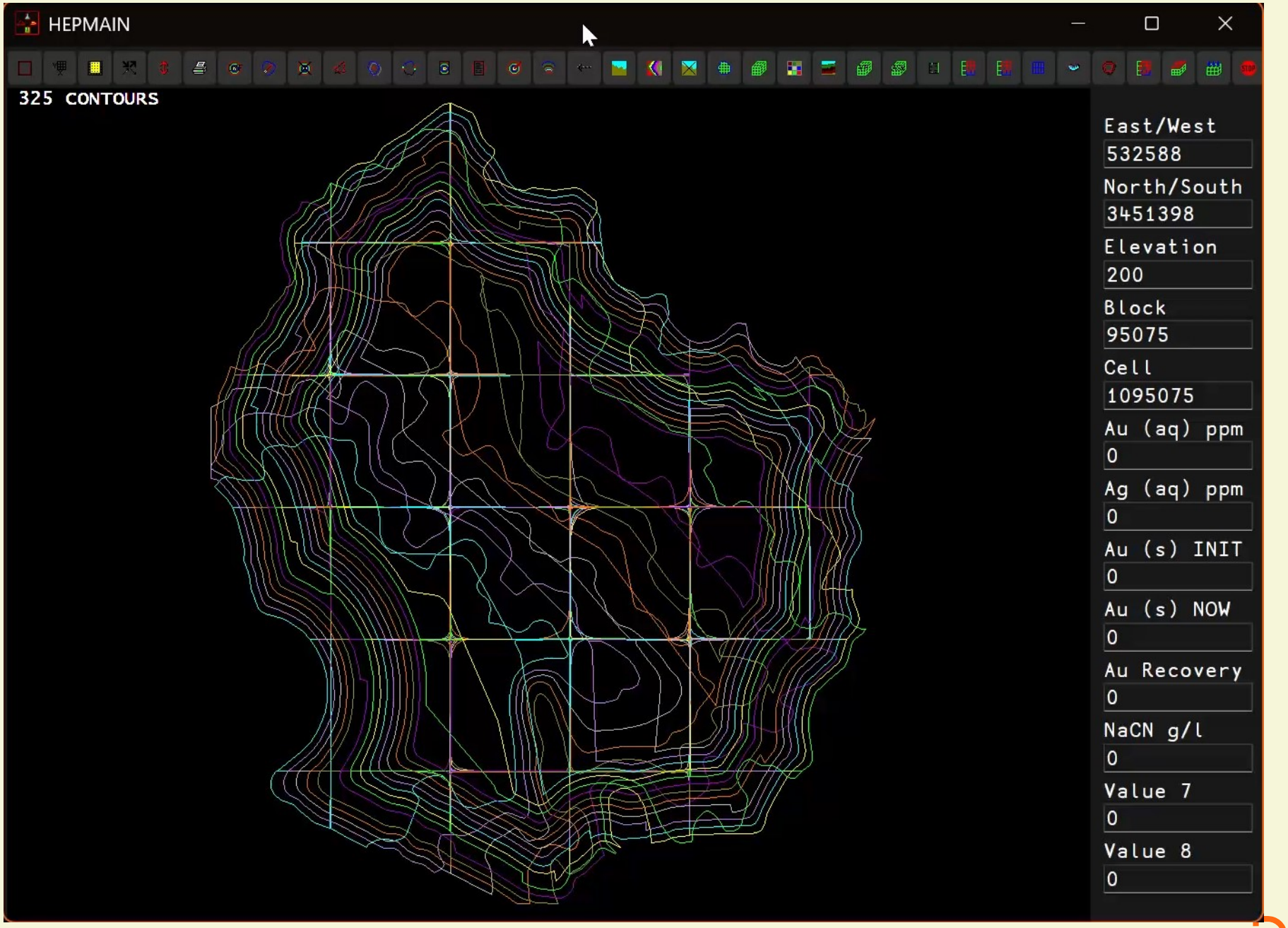
OK

SI 1 sC
SI 2 sFeOOH
SI 3 sFe(OH)3
SI 4 sCaSO4 2H
SI 5 sCa(OH)2
SI 6 sCaSO4
SI 7 sCa3P2O8
SI 8 sAl(OH)3
SI 9 sZn(OH)2
SI 10 sAs2O3
SI 11 sCu(OH)2
LI 12 aH2O
LI 13 aHCl
LI 14 aH2SO4
LI 15 aH3PO4
LI 16 aFe2SO43
LI 17 aAl2SO43
LI 18 aMgSO4
LI 19 aMgCl2
LI 20 aCaSO4
LI 21 aCa(OH)2
LI 22 aCaCl2
LI 23 aZnSO4
LI 24 aK2SO4
LI 25 aNaOH
LI 26 aNa2SO4
LI 27 aNaCl

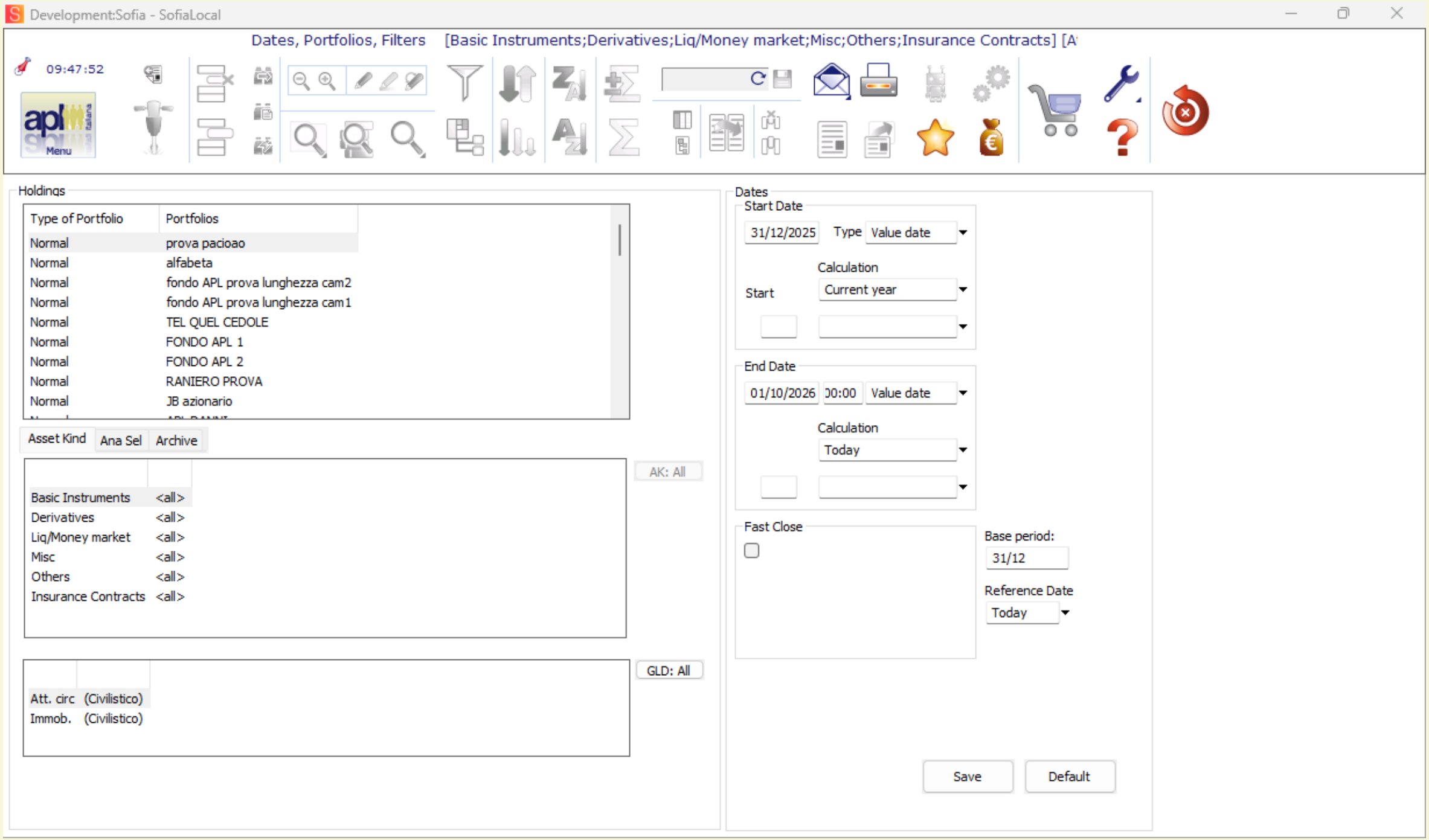
ETP

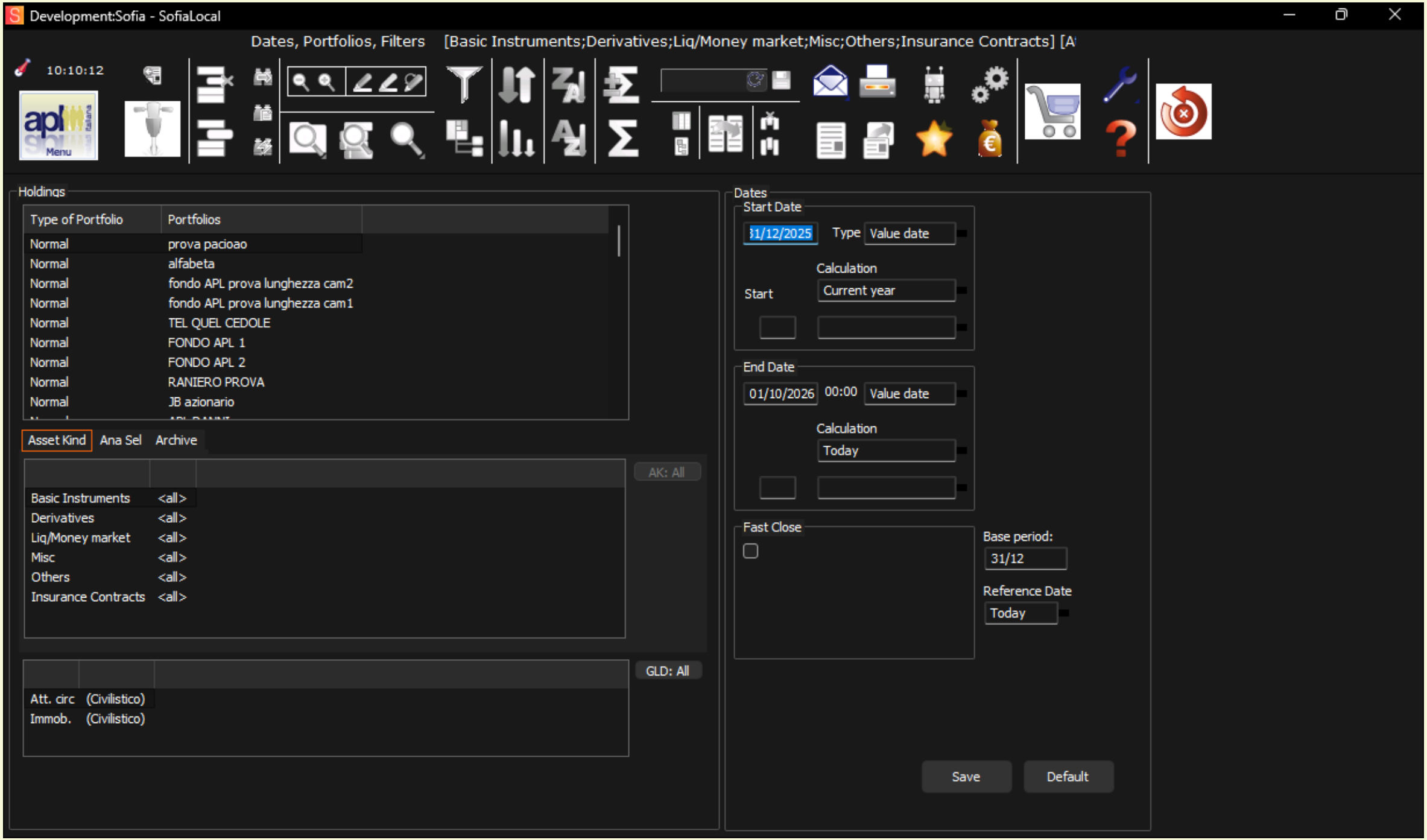


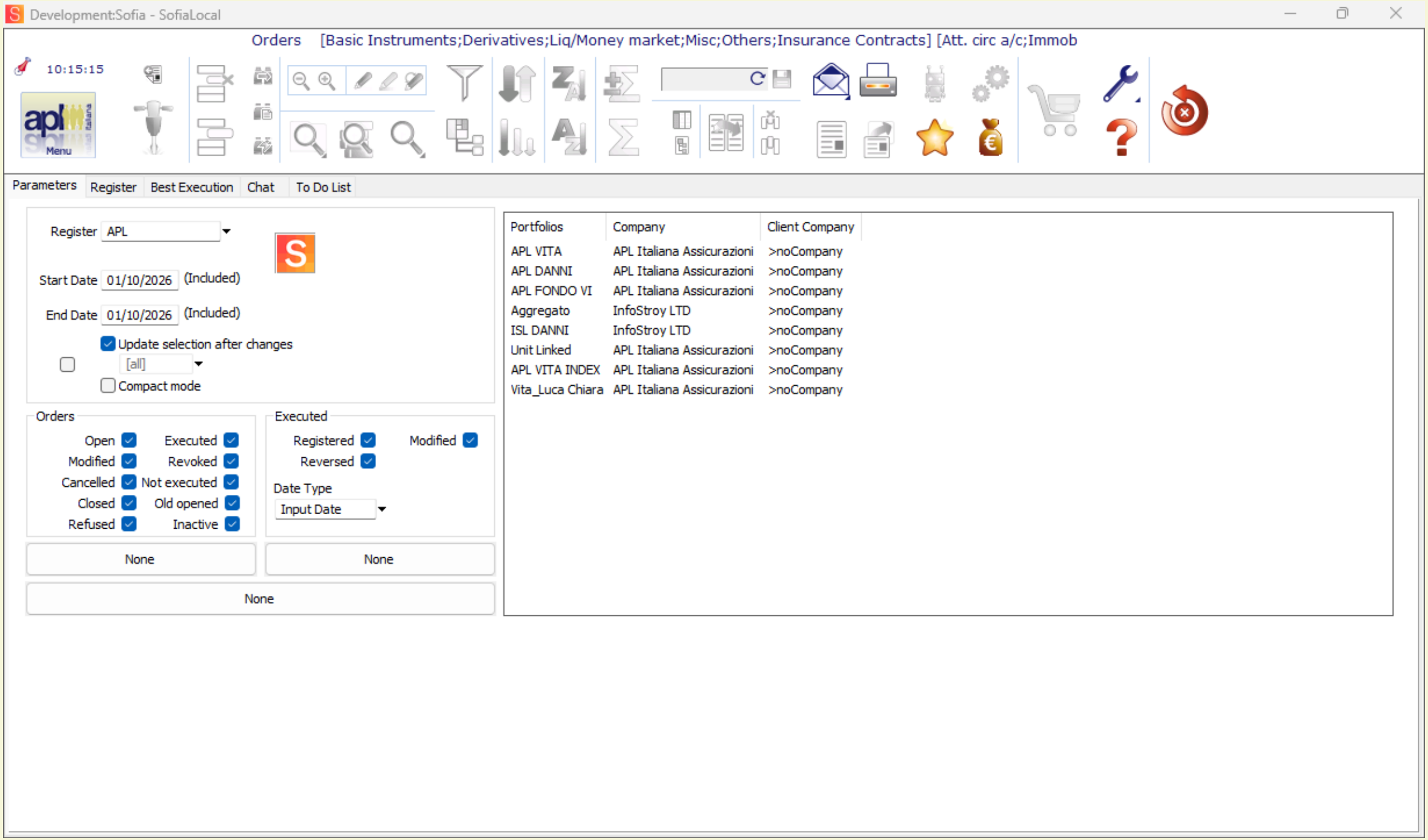
"Cooler than Keanu"

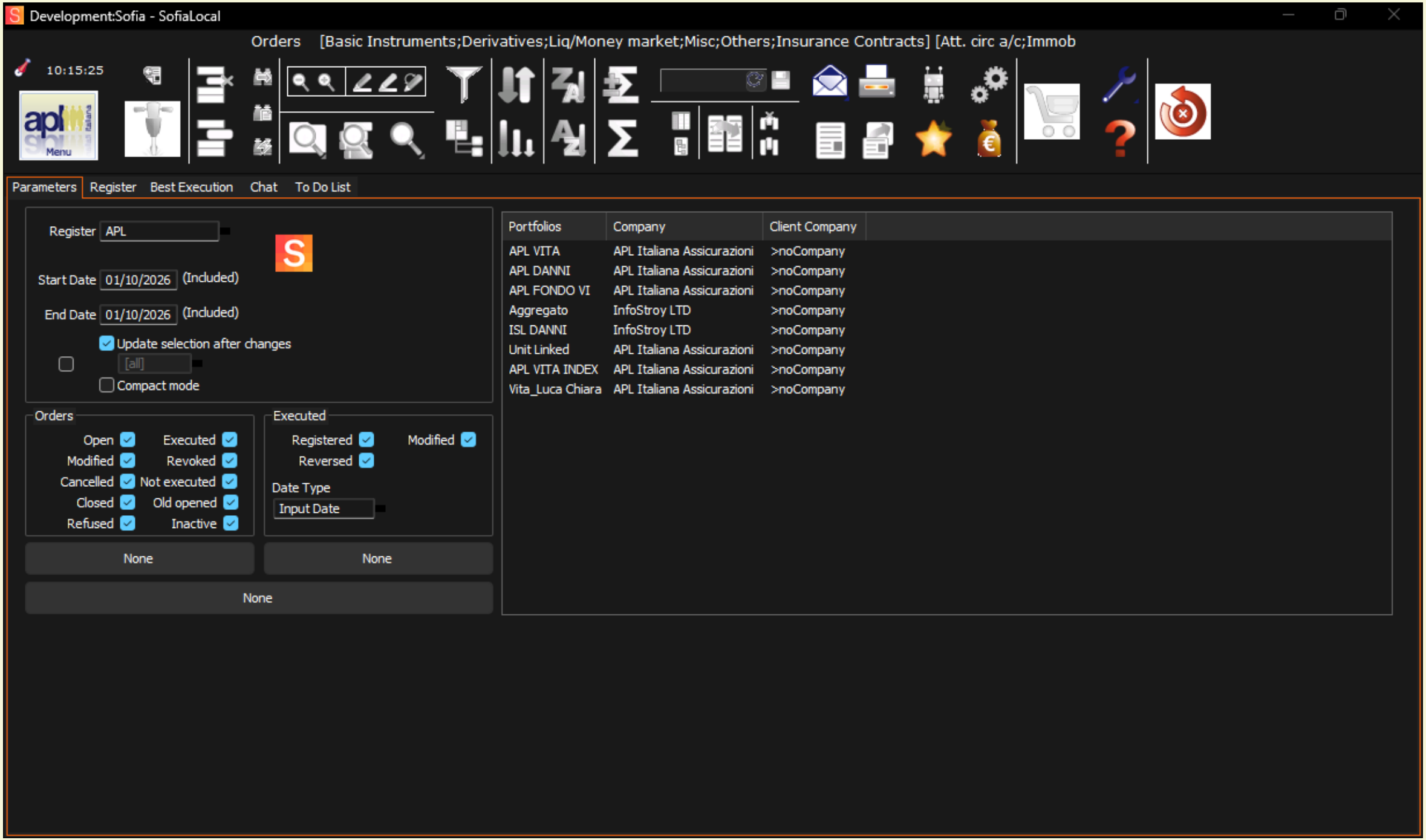


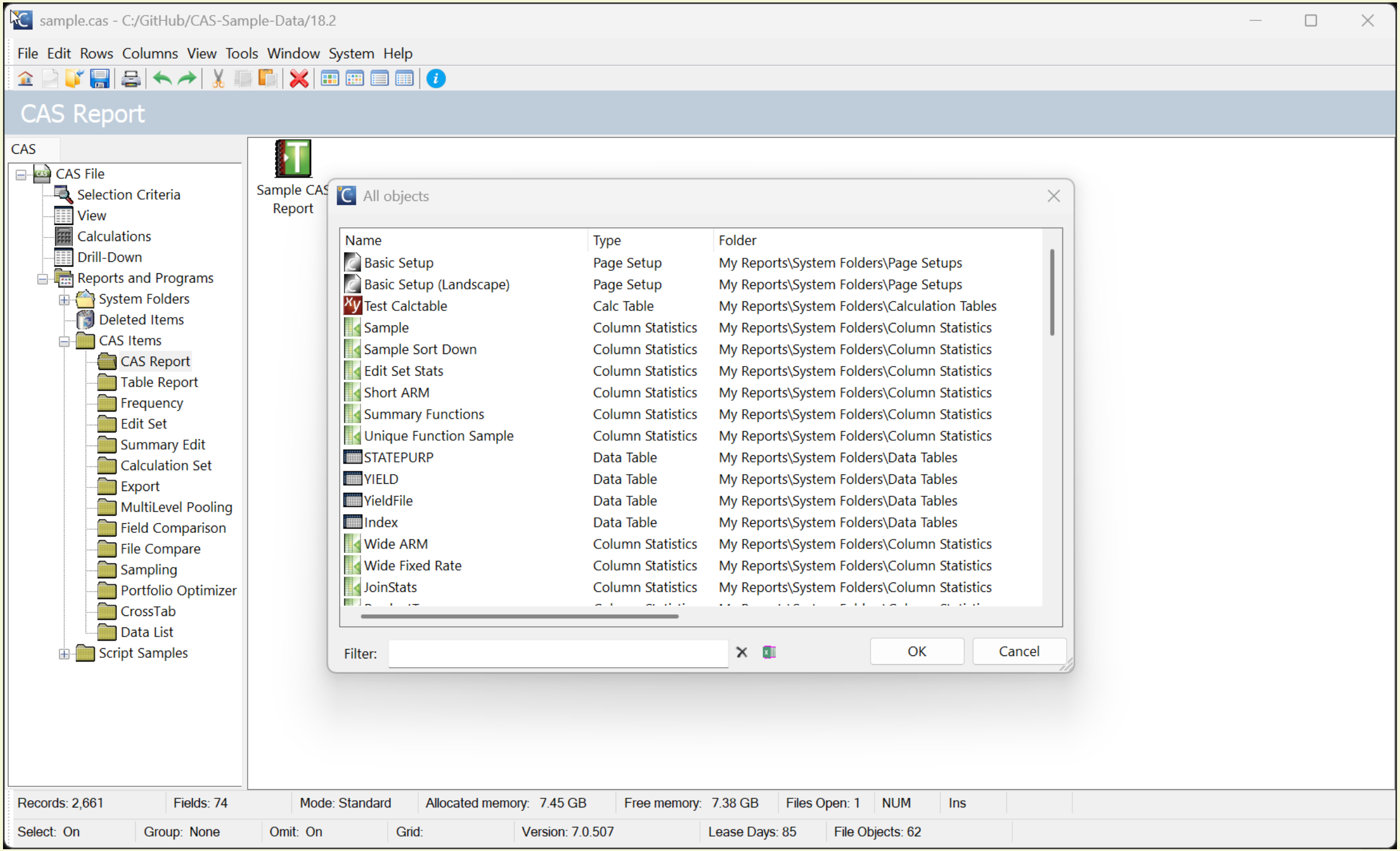
"Cooler than Keanu"

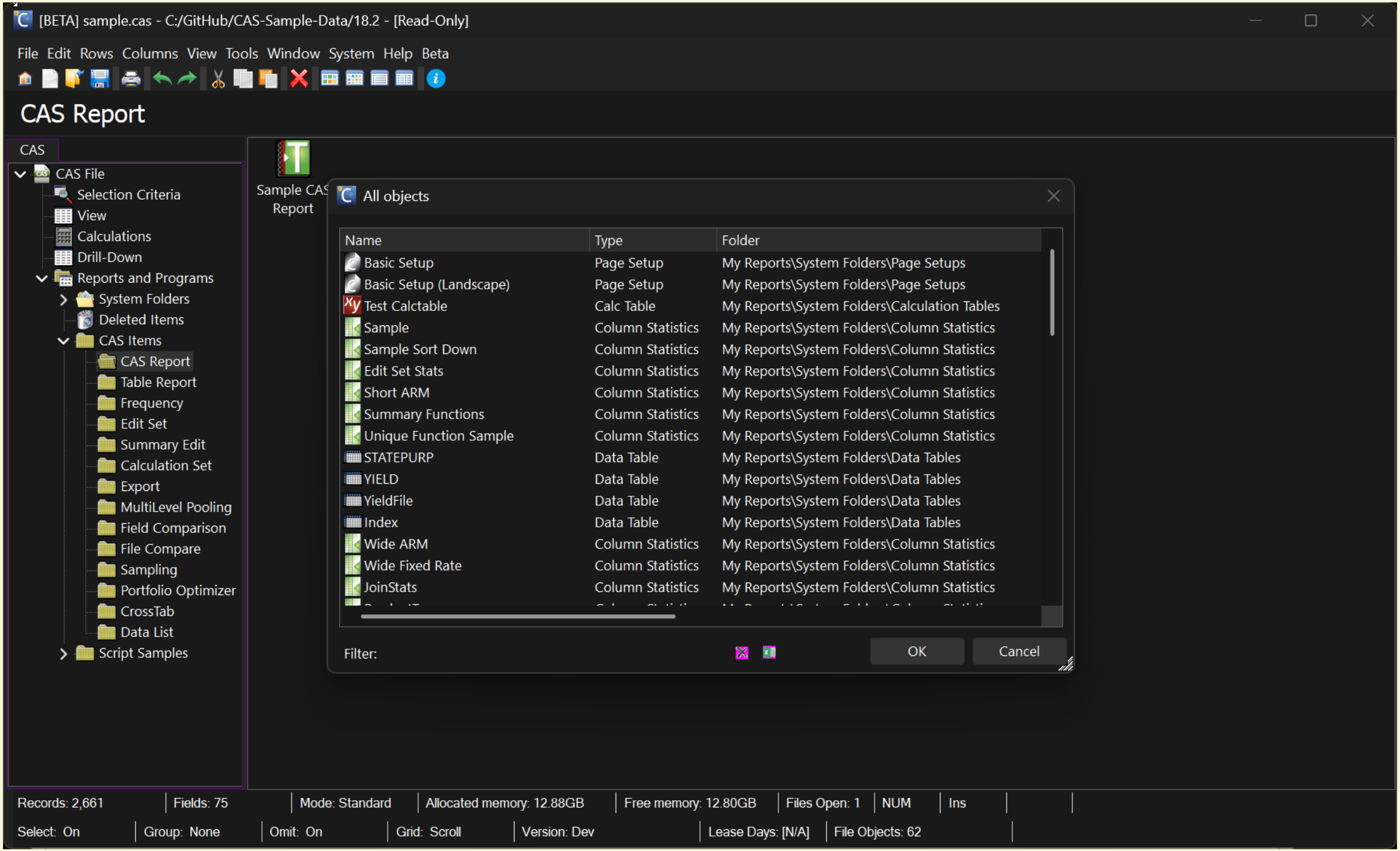

Development:Sofia - SofiaLocal
Dates, Portfolios, Filters [Basic Instruments;Derivatives;Liq/Money market;Misc;Others;Insurance Contracts] [A
09:47:52
Menu
Holdings
Type of Portfolio
Portfolios
Normal prova pacioao
Normal alfabeta
Normal fondo APL prova lunghezza cam2
Normal fondo APL prova lunghezza cam1
Normal TEL QUEL CEDOLE
Normal FONDO APL 1
Normal FONDO APL 2
Normal RANIERO PROVA
Normal JB azionario
Asset Kind
Ana Sel
Archive
AK: All
Basic Instruments <all>
Derivatives <all>
Liq/Money market <all>
Misc <all>
Others <all>
Insurance Contracts <all>
GLD: All
Att. circ (Civilistico)
Immob. (Civilistico)
Dates
Start Date
31/12/2025
Type
Value date
Calculation
Start
Current year
End Date
01/10/2026
00:00
Value date
Calculation
Today
Fast Close
Base period:
31/12
Reference Date
Today
Save
Default

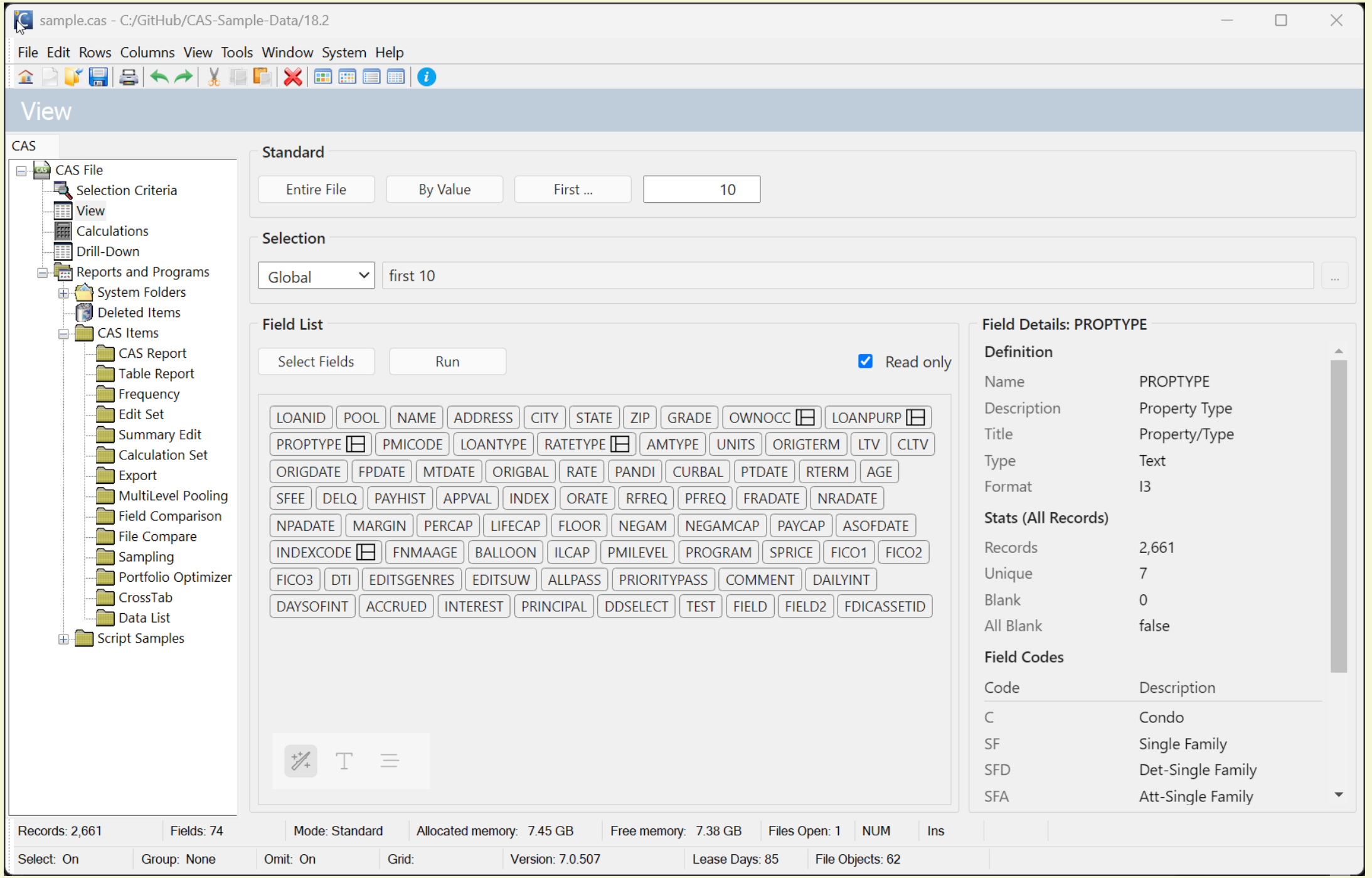

Development:Sofia - SofiaLocal
Dates, Portfolios, Filters [Basic Instruments;Derivatives;Liq/Money market;Misc;Others;Insurance Contracts] [A
10:10:12
Menu
Holdings
Type of Portfolio
Portfolios
Normal prova pacioao
Normal alfabeta
Normal fondo APL prova lunghezza cam2
Normal fondo APL prova lunghezza cam1
Normal TEL QUEL CEDOLE
Normal FONDO APL 1
Normal FONDO APL 2
Normal RANIERO PROVA
Normal JB azionario
Asset Kind
Ana Sel
Archive
AK: All
Basic Instruments <all>
Derivatives <all>
Liq/Money market <all>
Misc <all>
Others <all>
Insurance Contracts <all>
GLD: All
Att. circ (Civilistico)
Immob. (Civilistico)
Dates
Start Date
31/12/2025
Type
Value date
Calculation
Start
Current year
End Date
01/10/2026
00:00
Value date
Calculation
Today
Fast Close
Base period:
31/12
Reference Date
Today
Save
Default

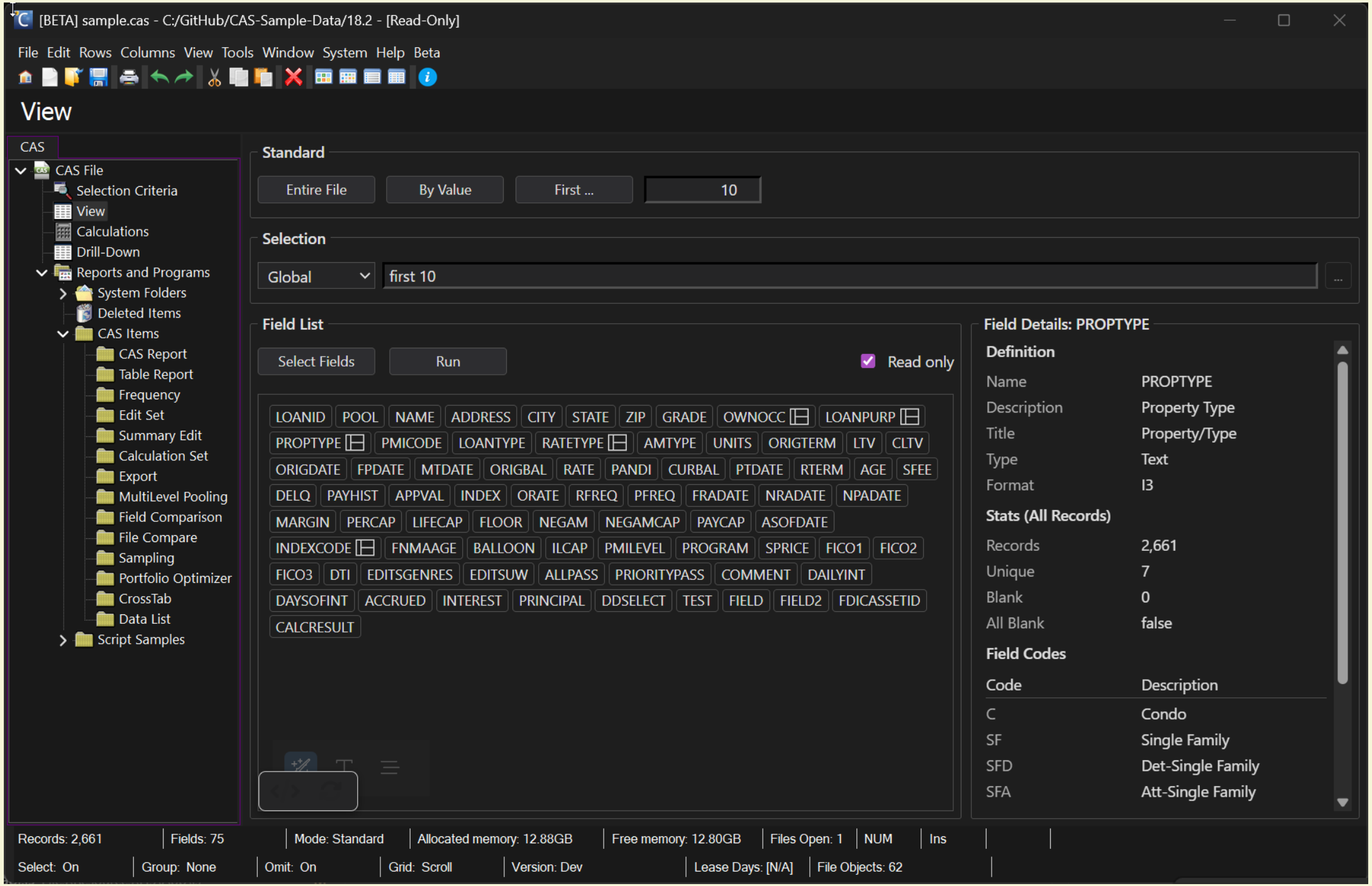

Development:Sofia - SofiaLocal
Orders [Basic Instruments;Derivatives;Liq/Money market;Misc;Others;Insurance Contracts] [Att. circ a/c;Immob
10:15:15
Menu
Parameters
Register
Best Execution
Chat
To Do List
Register APL
Start Date 01/10/2026 (Included)
End Date 01/10/2026 (Included)
Update selection after changes
[all]
Compact mode
Orders
Open
Executed
Modified
Revoked
Cancelled
Not executed
Closed
Old opened
Refused
Inactive
Executed
Registered
Modified
Reversed
Date Type
Input Date
None
None
None
Portfolios
Company
Client Company
APL VITA
APL Italiana Assicurazioni
>noCompany
APL DANNI
APL Italiana Assicurazioni
>noCompany
APL FONDO VI
APL Italiana Assicurazioni
>noCompany
Aggregato
InfoStroy LTD
>noCompany
ISL DANNI
InfoStroy LTD
>noCompany
Unit Linked
APL Italiana Assicurazioni
>noCompany
APL VITA INDEX
APL Italiana Assicurazioni
>noCompany
Vita_Luca Chiara
APL Italiana Assicurazioni
>noCompany


Development:Sofia - SofiaLocal
Orders [Basic Instruments;Derivatives;Liq/Money market;Misc;Others;Insurance Contracts] [Att. circ a/c;Immob
10:15:25
Menu
Parameters
Register
Best Execution
Chat
To Do List
Register APL
Start Date 01/10/2026 (Included)
End Date 01/10/2026 (Included)
Update selection after changes
[all]
Compact mode
Orders
Open
Executed
Modified
Revoked
Cancelled
Not executed
Closed
Old opened
Refused
Inactive
Executed
Registered
Modified
Reversed
Date Type
Input Date
None
None
None
Portfolios
Company
Client Company
APL VITA
APL Italiana Assicurazioni
>noCompany
APL DANNI
APL Italiana Assicurazioni
>noCompany
APL FONDO VI
APL Italiana Assicurazioni
>noCompany
Aggregato
InfoStroy LTD
>noCompany
ISL DANNI
InfoStroy LTD
>noCompany
Unit Linked
APL Italiana Assicurazioni
>noCompany
APL VITA INDEX
APL Italiana Assicurazioni
>noCompany
Vita_Luca Chiara
APL Italiana Assicurazioni
>noCompany


sample.cas - C:/GitHub/CAS-Sample-Data/18.2
File Edit Rows Columns View Tools Window System Help
CAS Report
CAS
CAS File
Selection Criteria
View
Calculations
Drill-Down
Reports and Programs
System Folders
Deleted Items
CAS Items
CAS Report
Table Report
Frequency
Edit Set
Summary Edit
Calculation Set
Export
MultiLevel Pooling
Field Comparison
File Compare
Sampling
Portfolio Optimizer
CrossTab
Data List
Script Samples
Sample CAS Report
All objects
Name
Type
Folder
Basic Setup
Page Setup
My Reports\System Folders\Page Setups
Basic Setup (Landscape)
Page Setup
My Reports\System Folders\Page Setups
Test Calctable
Calc Table
My Reports\System Folders\Calculation Tables
Sample
Column Statistics
My Reports\System Folders\Column Statistics
Sample Sort Down
Column Statistics
My Reports\System Folders\Column Statistics
Edit Set Stats
Column Statistics
My Reports\System Folders\Column Statistics
Short ARM
Column Statistics
My Reports\System Folders\Column Statistics
Summary Functions
Column Statistics
My Reports\System Folders\Column Statistics
Unique Function Sample
Column Statistics
My Reports\System Folders\Column Statistics
STATEPURP
Data Table
My Reports\System Folders\Data Tables
YIELD
Data Table
My Reports\System Folders\Data Tables
YieldFile
Data Table
My Reports\System Folders\Data Tables
Index
Data Table
My Reports\System Folders\Data Tables
Wide ARM
Column Statistics
My Reports\System Folders\Column Statistics
Wide Fixed Rate
Column Statistics
My Reports\System Folders\Column Statistics
JoinStats
Column Statistics
My Reports\System Folders\Column Statistics
Filter:
OK
Cancel
Records: 2,661
Fields: 74
Mode: Standard
Allocated memory: 7.45 GB
Free memory: 7.38 GB
Files Open: 1
NUM
Ins
Select: On
Group: None
Omit: On
Grid:
Version: 7.0.507
Lease Days: 85
File Objects: 62


[BETA] sample.cas - C:/GitHub/CAS-Sample-Data/18.2 - [Read-Only]
File Edit Rows Columns View Tools Window System Help Beta
CAS Report
CAS
CAS File
Selection Criteria
View
Calculations
Drill-Down
Reports and Programs
System Folders
Deleted Items
CAS Items
CAS Report
Table Report
Frequency
Edit Set
Summary Edit
Calculation Set
Export
MultiLevel Pooling
Field Comparison
File Compare
Sampling
Portfolio Optimizer
CrossTab
Data List
Script Samples
Sample CAS Report
All objects
Name
Type
Folder
Basic Setup
Page Setup
My Reports\System Folders\Page Setups
Basic Setup (Landscape)
Page Setup
My Reports\System Folders\Page Setups
Test Calctable
Calc Table
My Reports\System Folders\Calculation Tables
Sample
Column Statistics
My Reports\System Folders\Column Statistics
Sample Sort Down
Column Statistics
My Reports\System Folders\Column Statistics
Edit Set Stats
Column Statistics
My Reports\System Folders\Column Statistics
Short ARM
Column Statistics
My Reports\System Folders\Column Statistics
Summary Functions
Column Statistics
My Reports\System Folders\Column Statistics
Unique Function Sample
Column Statistics
My Reports\System Folders\Column Statistics
STATEPURP
Data Table
My Reports\System Folders\Data Tables
YIELD
Data Table
My Reports\System Folders\Data Tables
YieldFile
Data Table
My Reports\System Folders\Data Tables
Index
Data Table
My Reports\System Folders\Data Tables
Wide ARM
Column Statistics
My Reports\System Folders\Column Statistics
Wide Fixed Rate
Column Statistics
My Reports\System Folders\Column Statistics
JoinStats
Column Statistics
My Reports\System Folders\Column Statistics
Filter:
OK
Cancel
Records: 2,661
Fields: 75
Mode: Standard
Allocated memory: 12.88GB
Free memory: 12.80GB
Files Open: 1
NUM
Ins
Select: On
Group: None
Omit: On
Grid: Scroll
Version: Dev
Lease Days: [N/A]
File Objects: 62


sample.cas - C:/GitHub/CAS-Sample-Data/18.2
File Edit Rows Columns View Tools Window System Help
View
CAS
CAS File
Selection Criteria
View
Calculations
Drill-Down
Reports and Programs
System Folders
Deleted Items
CAS Items
CAS Report
Table Report
Frequency
Edit Set
Summary Edit
Calculation Set
Export
MultiLevel Pooling
Field Comparison
File Compare
Sampling
Portfolio Optimizer
CrossTab
Data List
Script Samples
Standard
Entire File
By Value
First ...
10
Selection
Global
first 10
Field List
Select Fields
Run
Read only
LOANID POOL NAME ADDRESS CITY STATE ZIP GRADE OWNOCC LOANPURP
PROPTYPE PMICODE LOANTYPE RATETYPE AMTYPE UNITS ORIGTERM LTV CLTV
ORIGDATE FPDATE MTDATE ORIGBAL RATE PANDI CURBAL PTDATE RTERM AGE
SFEE DELQ PAYHIST APPVAL INDEX ORATE RFREQ PFREQ FRADATE NRADATE
NPADATE MARGIN PERCAP LIFECAP FLOOR NEGAM NEGAMCAP PAYCAP ASOFDATE
INDEXCODE FNMAAGE BALLOON ILCAP PMILEVEL PROGRAM SPRICE FICO1 FICO2
FICO3 DTI EDITSGENRES EDITSUW ALLPASS PRIORITYPASS COMMENT DAILYINT
DAYSOFINT ACCRUED INTEREST PRINCIPAL DDSELECT TEST FIELD FIELD2 FDICASSETID
Field Details: PROPTYPE
Definition
Name PROPTYPE
Description Property Type
Title Property/Type
Type Text
Format I3
Stats (All Records)
Records 2,661
Unique 7
Blank 0
All Blank false
Field Codes
Code Description
C Condo
SF Single Family
SFD Det-Single Family
SFA Att-Single Family
Records: 2,661
Fields: 74
Mode: Standard
Allocated memory: 7.45 GB
Free memory: 7.38 GB
Files Open: 1
NUM
Ins
Select: On
Group: None
Omit: On
Grid:
Version: 7.0.507
Lease Days: 85
File Objects: 62


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File Edit Rows Columns View Tools Window System Help Beta
View
CAS
CAS File
Selection Criteria
View
Calculations
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Deleted Items
CAS Items
CAS Report
Table Report
Frequency
Edit Set
Summary Edit
Calculation Set
Export
MultiLevel Pooling
Field Comparison
File Compare
Sampling
Portfolio Optimizer
CrossTab
Data List
Script Samples
Standard
Entire File
By Value
First ...
10
Selection
Global
first 10
Field List
Select Fields
Run
Read only
LOANID POOL NAME ADDRESS CITY STATE ZIP GRADE OWNOCC LOANPURP
PROPTYPE PMICODE LOANTYPE RATETYPE AMTYPE UNITS ORIGTERM LTV CLTV
ORIGDATE FPDATE MTDATE ORIGBAL RATE PANDI CURBAL PTDATE RTERM AGE SFEE
DELQ PAYHIST APPVAL INDEX ORATE RFREQ PFREQ FRADATE NRADATE NPADATE
MARGIN PERCAP LIFECAP FLOOR NEGAM NEGAMCAP PAYCAP ASOFDATE
INDEXCODE FNMAAGE BALLOON ILCAP PMILEVEL PROGRAM SPRICE FICO1 FICO2
FICO3 DTI EDITSGENRES EDITSUW ALLPASS PRIORITYPASS COMMENT DAILYINT
DAYSOFINT ACCRUED INTEREST PRINCIPAL DDSELECT TEST FIELD FIELD2 FDICASSETID
CALCRESULT
Field Details: PROPTYPE
Definition
Name PROPTYPE
Description Property Type
Title Property/Type
Type Text
Format I3
Stats (All Records)
Records 2,661
Unique 7
Blank 0
All Blank false
Field Codes
Code Description
C Condo
SF Single Family
SFD Det-Single Family
SFA Att-Single Family
Records: 2,661
Fields: 75
Mode: Standard
Allocated memory: 12.88GB
Free memory: 12.80GB
Files Open: 1
NUM
Ins
Select: On
Group: None
Omit: On
Grid: Scroll
Version: Dev
Lease Days: [N/A]
File Objects: 62

Dark Mode

But what about *your* application?

You tell us (feedback please)

"Cooler than Keanu"

Dark Mode Summary

- Windows 11 and up
- Not general "Theme" management
  - That's probably a start again job
    - RIDE for the interpreter
    - eWC/HTMLRenderer for APL GUI
    - .NET
- Is in 21.0 so that we can get feedback from you
  - Disabled by default, of course
- Very much a "Work in Progress"
  - Operating System APIs likely to change
  - We will likely do more API interception
- Things are likely to change
  - Specific ”greys” and other colours and combinations
- The chosen DYALOG_DARKMODE value will depend on your application
  - And these flags might change.

"Cooler than Keanu"