

CAPHYON ⚡ LIGHTNING TALKS

# Programming Typography

July, 2018



**Victor Ciura**

Technical Lead, Advanced Installer

[www.advancedinstaller.com](http://www.advancedinstaller.com)

# Programming Typography

Inspired by a wonderful talk at NDC Oslo 2018



**Peter Hilton**

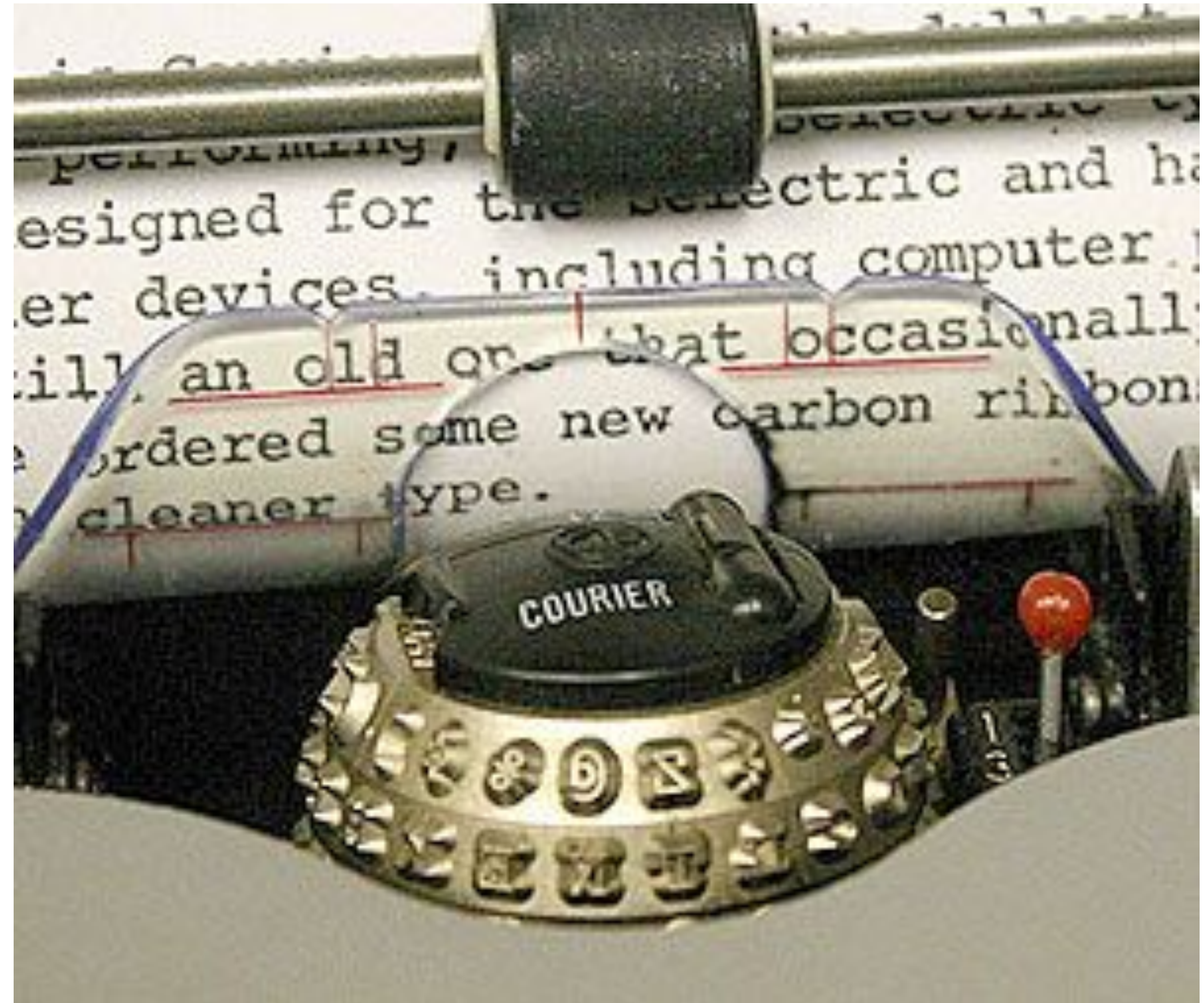
Beautiful code:  
typography & visual programming

@PeterHilton

<http://hilton.org.uk/>

<https://www.youtube.com/watch?v=7vPh-xy-kyc>

# IBM Selectric typewriter



1961

# Courier Typeface

IBM

**1961**

Courier New

Window 3.1

1992

# Conso1as

## Windows Vista

2006

# Syntax Highlighting

```
bool zonedPAT(UDWORD x, UDWORD y)
{
    return sensiblePlace(x, y, PROPULSION_TYPE_WHEELED) && noDroid(x,y);
}

static bool canFitDroid(UDWORD x, UDWORD y)
{
    return sensiblePlace(x, y, )
        PROPULSION_TYPE_WHEELED
    /// find a tile for which the function will return true
    bool pickATileGen(UDWORD *x, UDWORD *y, UBYTE numIterations,
        bool (*function)(UDWORD x, UDWORD y))
    {
        return pickATileGenThreat(x, y, numIterations, -1, -1, function);
    }

    bool pickATileGen(Vector2i *pos, unsigned numIterations, bool (*function)(UDWORD x, UDWORD y)
    {
        UDWORD x = pos->x, y = pos->y;
        bool ret = pickATileGenThreat(&x, &y, numIterations, -1, -1, function);
        *pos = Vector2i(x, y);
        return ret;
    }
}
```

Suggestion for type.  
Accept with: <TAB> or <ENTER>

- canFitDr
- pickATile
- pickATile
- droid.cp
- selectDro
- sensiblef
- setSelect
- setSelect
- setUpBu

**Next Step ?**



# Font Ligatures

fi fl

first flower

fi fl

first flower

# Font Ligatures

fi → fi fi Times Roman

fi → fi fi Helvetica

fi → fi fi Lato

fi → fi fi Constantia

fi → fi fi Georgia

# Font Ligatures

**What about programming ?**

# Font Ligatures

Symbol	Regular Font	Font With Ligature
Assignment	=	=
Double Equal	==	==
Strict Equality Comparison (Triple Equal)	===	≡
Not Equal	!=	≠
Strict Non-Equality Comparison	!==	≢
Arrow	->	→
Fat Arrow	=>	⇒
Less Than or Equal	<=	≤
Greater Than or Equal	>=	≥
Increment	++	++
Decrement	--	--

# Fira Code



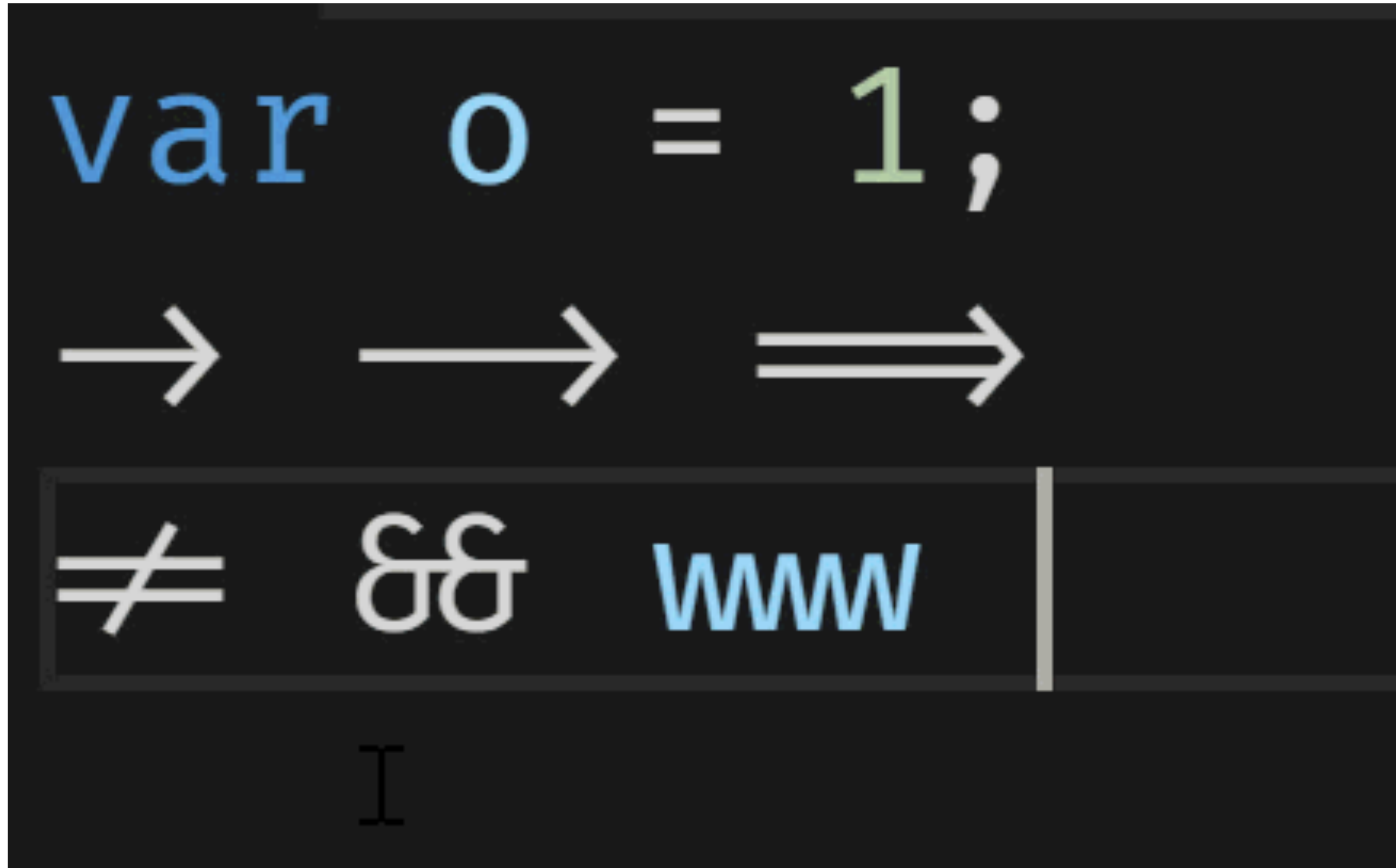
<https://github.com/tonsky/FiraCode>

# Fira Code

```
1 // Fira Code
2 ABCDEFGHIJKLMNOPQRSTUVWXYZ
3 01234567890!@#$%^&*()_+={}[]◇/?'";:~`
4 object o;
5 if (o is int i || (o is string s &&
6     int.TryParse(s, out i))) { /* use i */ }
7 var x = 0xAB_DE_F;
8 → → ⇒ ≠ ≡ ≇ && || ⇐
9 </><tag> http://www.hanselman.com
10 ⇔ <!-- HTML Comment →
11 i++; #### ***
```

<https://github.com/tonsky/FiraCode>

# Fira Code



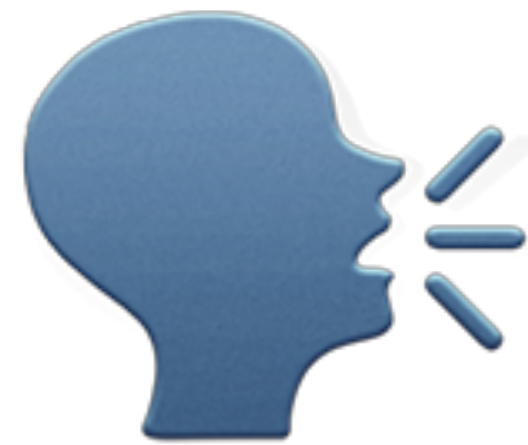
<https://github.com/tonsky/FiraCode>

# Demo Time





# Questions



@ciura\_victor