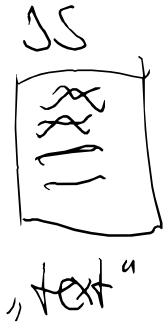


# Scribbles for HCS L2C

2024-03-06

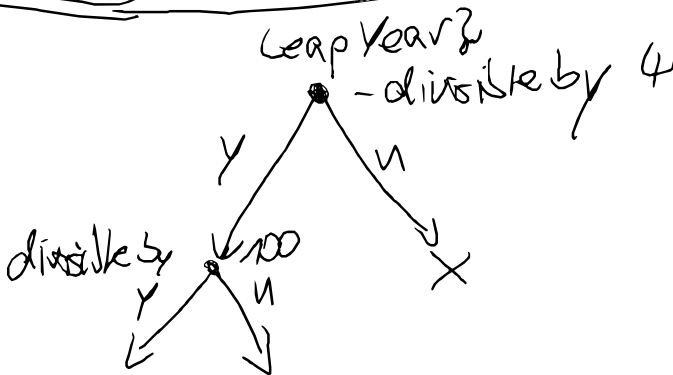


node.js

alternatively "program"

Browser

Chrome  
Firefox  
Edge



Math.floor(6.5) ↖ Parameter

↳ 6 (round it down)

Math.random()

↳ 0.1121

I get a value

qzfh3872

use the  
value  
as parameter

Math.floor ( )

"Hello" + "World!"

Concatenated:  
"Hello World!"

"Length is: " + 6

## Exercise: „Dice Throw“

Solution

1. Get a random number  
between 0... 1
2. Get a random number between  
0... 5
3. Make it an Integer between  
1 and 6.

2024-03-08

# data types

- numbers

(JS doesn't differentiate  
fractional and "whole" numbers)

↳ floating

↳ integers

- strings (text)

- boolean (true/false)

- undefined & null

↳ "Empty"

- complex data types: Array<sup>(list)</sup> & Object<sup>(key-value pair)</sup>

- functions

node

"a program  
to run / execute  
JavaScript"

↳ Interpreter

Terminal / Shell

→ part of your operating system

→ this can run other programs

↳ eg node

↳ pwd | print working directory

↳ ls | list files

↳ cd | change directory

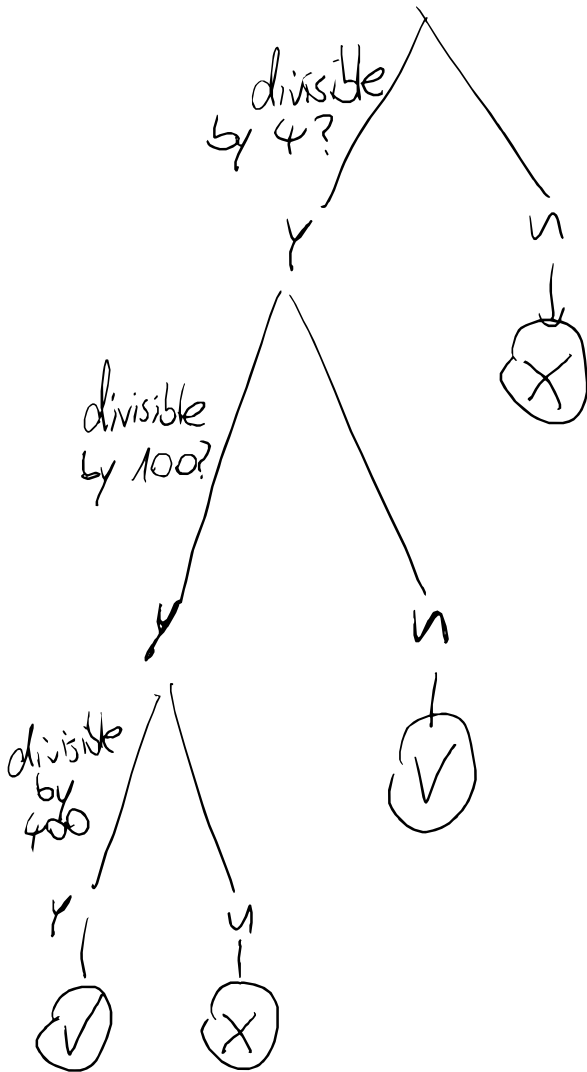
⇒ For now, ~~always~~ use  
"Open in integrated Terminal"  
when you're stuck.

# Variables

to define a variable  
there are three keywords:

- let
  - const
  - var
-

# Leap Year Calculation Revised.



# Two Numbers Comparison

$$(11) < (102)$$

$$\begin{array}{c} \downarrow \\ \textcircled{1}1 \end{array} < \begin{array}{c} \downarrow \\ \textcircled{1}2 \end{array}$$

$$\textcircled{\text{Simon}} < 1$$

↓

Simon

Fili

Sven

⇒

Simon

Zhona

Sven

Fili

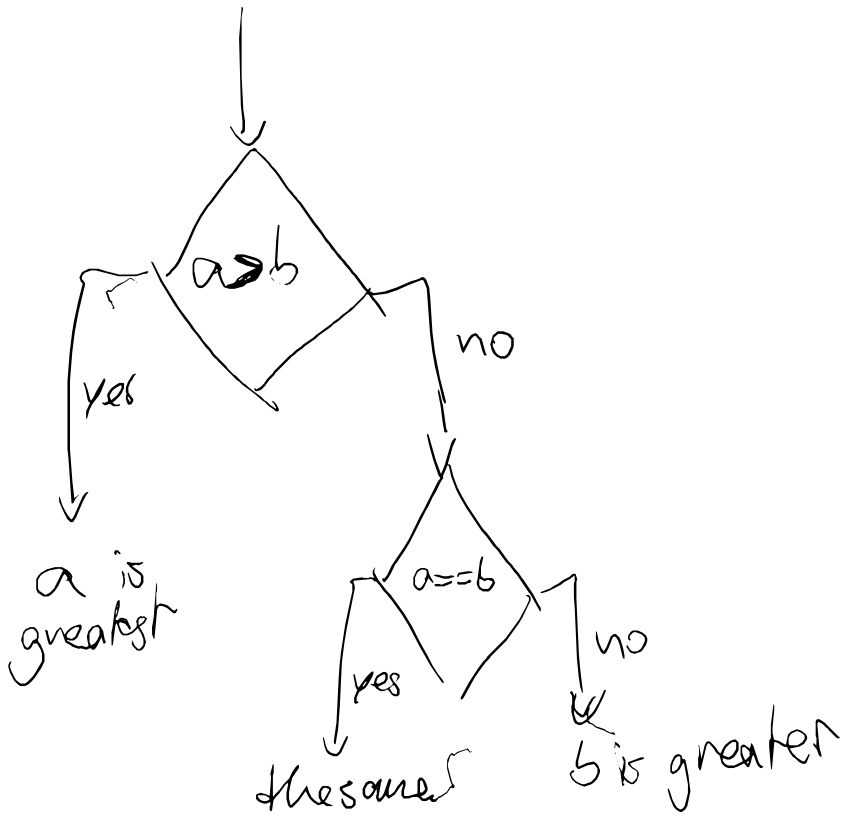
Zhona



Compare two numbers

"Control Flow" (if / else)

⇒ Control Flow Diagram



$\vec{f}$	$\vec{s}$	$\vec{k}$
a	b	c



// now, they can  
be the same  
or a is greatest



a b c

