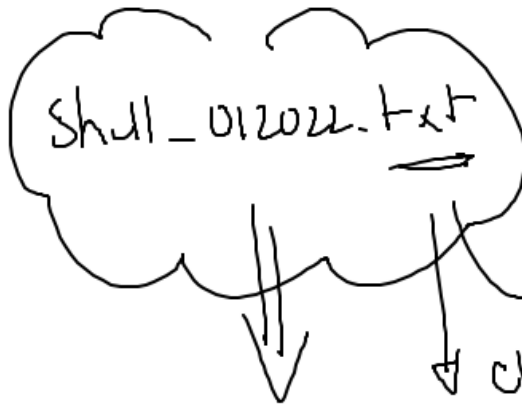


EM&CP Block Thursday, January 20, 2022

Powerboard

Shell:

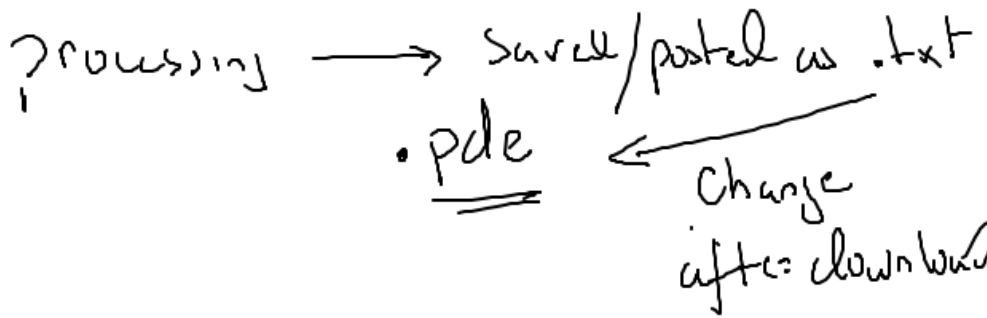


Python

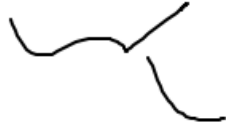
B&W

Change extension

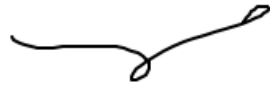
py



Class Calendar = HGS EMAIL



EMCP Block ^{Spring} 2022



ACCEPT

due 28th @ 3:00pm

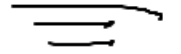
27th - submit night



resubmit



everything



replit.com

link sent to you (HGS email)
Set up an account

concpBlock2022

What do you bring to class every day?

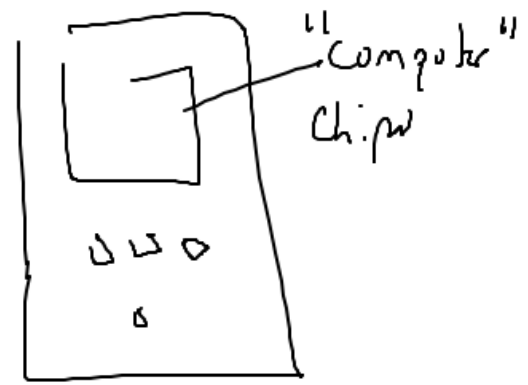
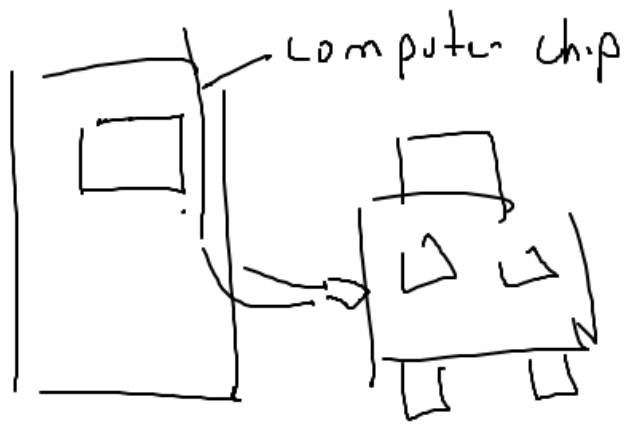
* textbooks — both

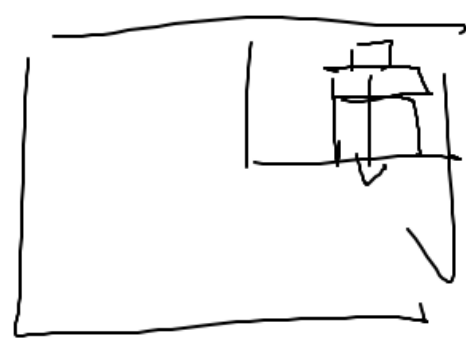
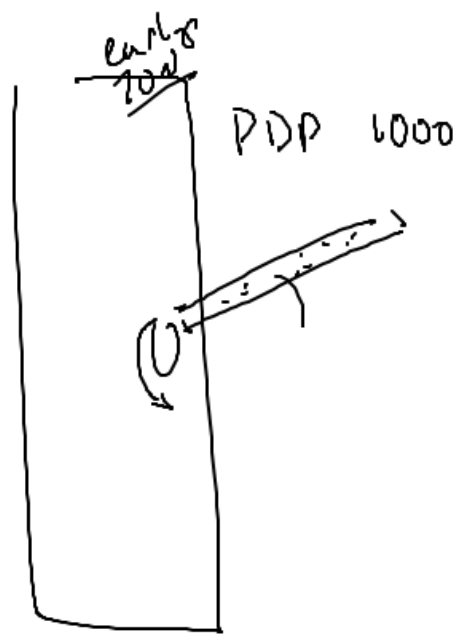
* calculator

* pencil + paper

* flash drive (USB) → travel with your work

(BACKUP)





→ CDC 7600 "Super Computer"

Moore's Law (Computer speed)

$$10 \overline{) 23} \begin{array}{r} 2 \\ \underline{20} \\ 3 \end{array}$$

(2) result for integer division
PYTHON: //
(3) remainder

Variable (identifier)

name used to refer to
↑ a value

reflect the meaning of the value

This class: generally use camelCase for names
()

==

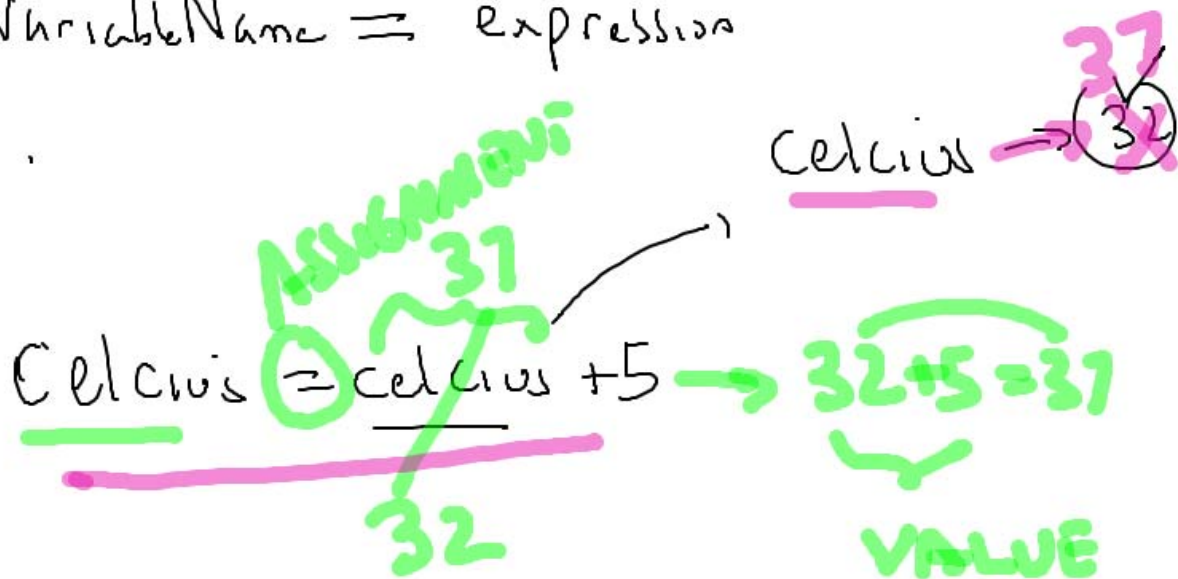
assignment operator

Format: $\text{VariableName} = \text{expression}$

Annotation: *bound to name* (arrow pointing to VariableName)

Annotation: *value of* (bracket pointing to expression)

VariableName = expression



~~$\text{Celcius} = \text{Celcius} + 5$~~
 ~~$\text{Celcius} - \text{Celcius} = 5$~~
 ~~$0 = 5$~~ Not algebra class

cel
 assignment

VariableName \Rightarrow Expression

num number

Stay away from single letter
variable names

Not ~~$a =$~~
 ~~$x =$~~
 ~~$y =$~~

$(0,0)$
 x, y
 $xPos yPos$

$$ax^2 + bx + c = y$$

$a =$
 $b =$
 $c =$

Variable names ... in python

∴ Start with letter (upper or lower) or
an under score: _value

NOT USE / DO

Variable names: BEGIN with a
lower case letter

val25 ✓

25^{xx}val

• Accept calendar share

• create repl.it account