

$$10234 \times 96 + 56$$

$$\frac{10}{1} + \frac{12}{1}$$

$a + b$

Calculator Avg

Add all obs

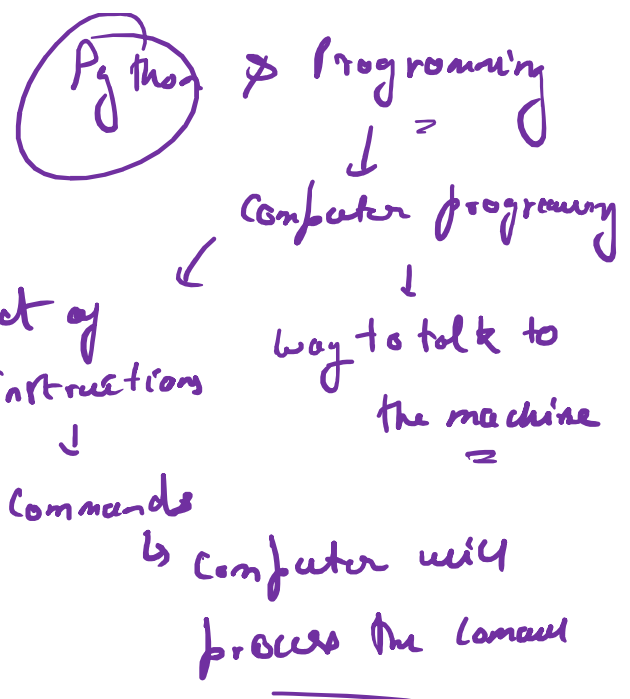
Divide

Print

$$s = a + b + c$$

$$Avg = \frac{5}{3}$$

print(Avg)



Processor

CPU Control Unit

CU

ALU

Arithmetic Logic Unit

RAM

memory

1s, 0s

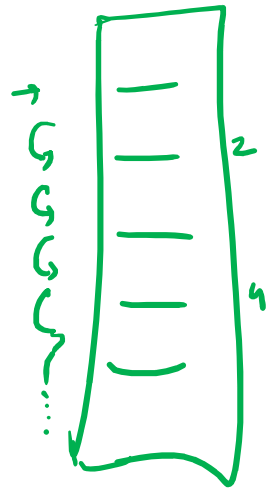
10

11

→ Python is easy

→ Python is Robust → 2 cor. 0.5 in Run, 16.000, 17 B Run

→ Python is interpreted →



→ Report of error

Compiler

It will take the whole program and scan for all the errors in all the lines

Check what you need to fix

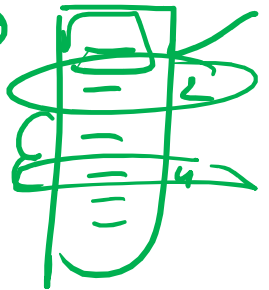
Syntax check

Interactive

Interpreter

One line execution

1/n



England - Adj Noun

The ^{Noun} ball ^{Adj} only - α

French → Noun Adj

→ ① Syntax Error → The code has grammatical Error, wrong connect.

② Runtime Errors (Exceptions) :- External Dependency, DB, File, open a Print adom cause.

③ Logical Errors, output is not as Expected

↓
Bugs,
bugs

$$\begin{array}{|c|} \hline 1/2 = 0.5 \\ \hline 1/2 = 0 \\ \hline \end{array}$$

→ Floating point 1/2

Integer division

$$1/2$$

→ To help Developers in coding faster and better managed you have special Softwares. They are called IDE (Integrated Development Envi)

