Introductory Java and FTC Programming Workshop

Week 0 - Introduction (Oct. 17)

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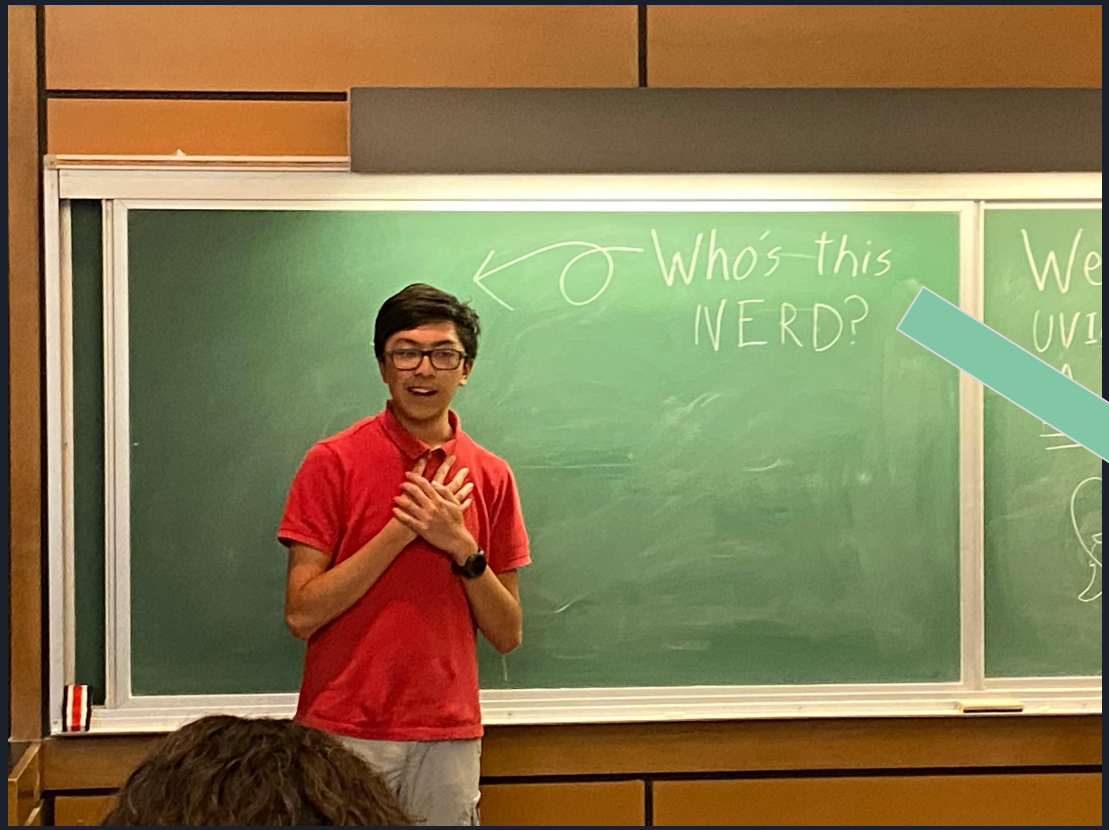
Who am I?



What is Programming?

programming /prō'grăm'ĭng, -grə-mĭng/

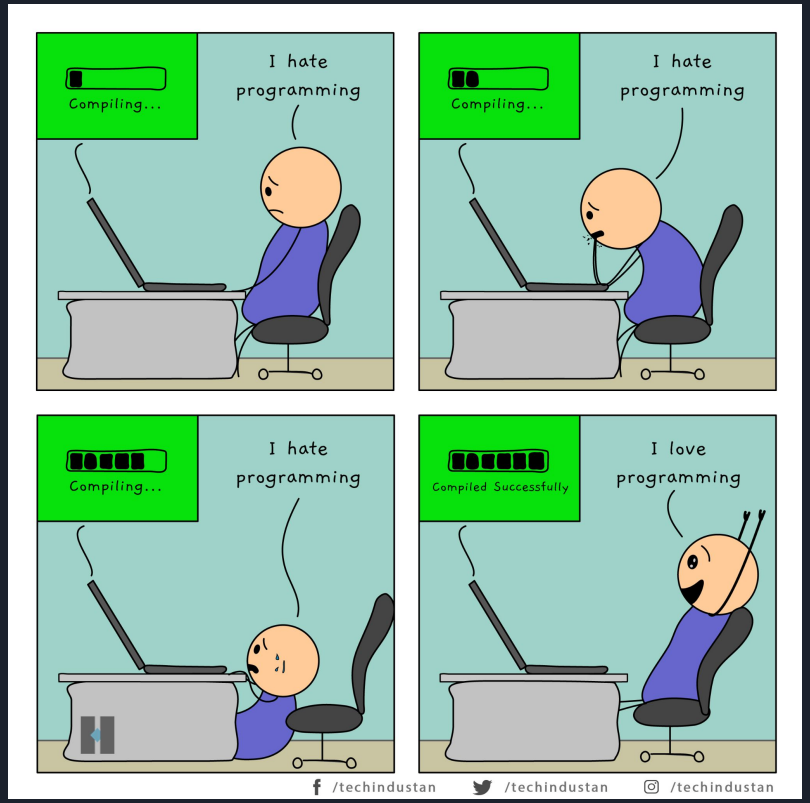
noun

1. The designing, scheduling, or planning of a program, as in broadcasting.
2. Broadcast programs considered as a group.
   "the network's Thursday night programming."
3. The writing of a computer program.
4. The designing, scheduling or planning of a radio or television program / programme.
5. Brain-washing.
6. The act of writing a computer program.
7. The software that controls a machine, or the logic or expressed in such software; operating instructions.

verb

1. Present participle of program.

The American Heritage® Dictionary of the English Language, 5th Edition • More at Wordnik



Robot Game!

- In Class activity!

Random text go brrrrrrr

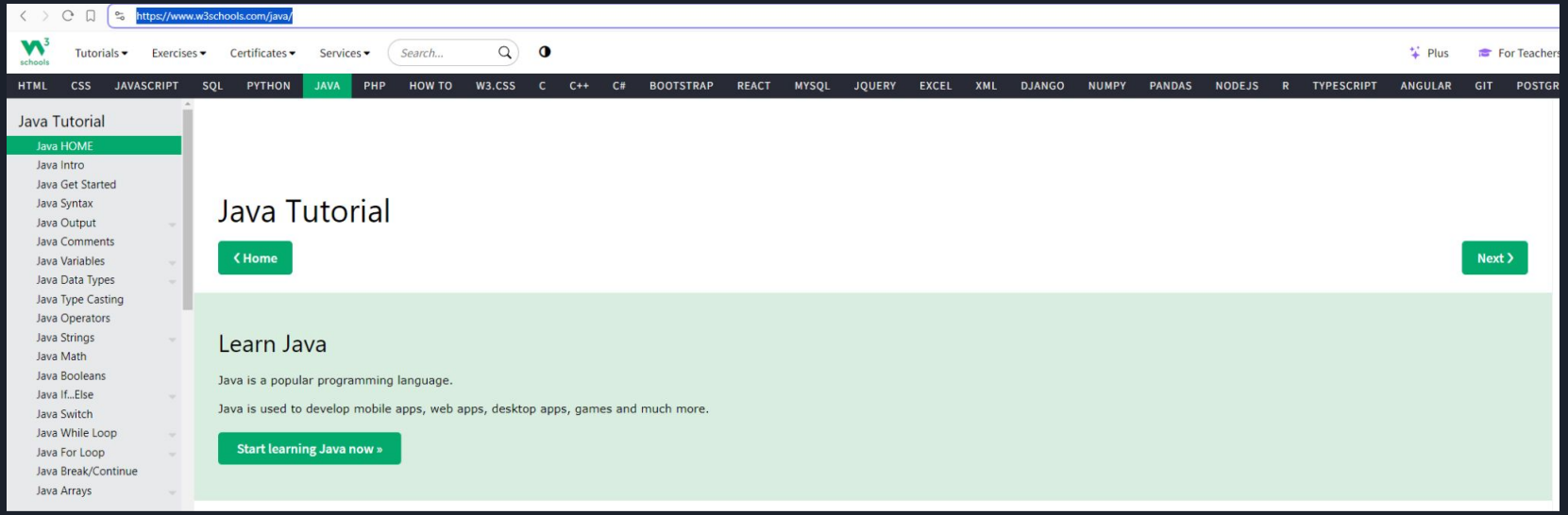
But now do it with…

PSEUDOCODE

What is Java

Online Resource

W3 Schools
https://www.w3schools.com/java/



Java Variables

`String` - stores text, such as "Hello". String values are surrounded by double quotes

`int` - stores integers (whole numbers), without decimals, such as 123 or -123

`float` - stores floating point numbers, with decimals, such as 19.99 or -19.99

`char` - stores single characters, such as 'a' or 'B'. Char values are surrounded by single quotes

`boolean` - stores values with two states: true or false

IDE - Integrated Development Environments)

- What is an IDE?
- Why is it beneficial?
- Which should you use?