


What is programming?

A computer is we can say dumb, machine always follows human instructions.

we tell machine

→ print (2)

→ Do this task

programming is a set of instructions which enables a machine to perform certain task

program → Run the program

$2+2$ → 4 → command instruction operation

programming language → To provide instructions

C, C++, Java, Python, Javascript

we write a program/code in a prog-lang, provide to the machine

Machine reads this program,
execute/run it

4 lines of

$$2 \times 3 \rightarrow 6$$

$$2 \times 2 \rightarrow 4$$

$$3 \times 4 \rightarrow 12$$

JAVA → Java is a programming
language.

IDE → Integrated
Development
Environment

Code
Editor

3 lines

we write
code on
code editor

Terminal
console

result

Java

C++

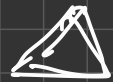
```
System.out.print("Hello")
```

```
cout << "Hello"
```

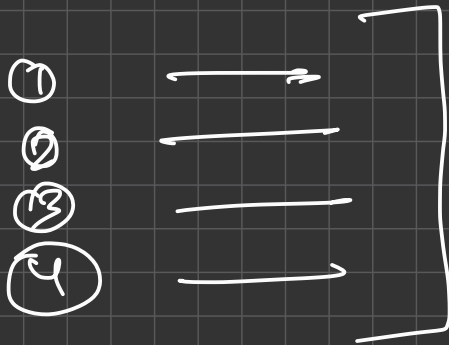
Java → compiler → Byte code → JVM

* IS platform independent:

windows, Linux, MacOS



compile



Execute / Run

① System.out.println()
② sop(2+2)
③ _____
④ _____

Pseudo code → Is another form to
explain the instructions

① System.out.print(2+2)
② sy. ot. pr(2+2)

Homework

- ① Print "Hello! My name is xyz"
- ② Print $3 * 2$ Multiplication
- ③ Find the sum of 100, 24, 78
- ④ Find the diff. b/w 34 & 23
- ⑤ Print below patterns

Hello

I

have

attended

session

pattern-1

pattern-2