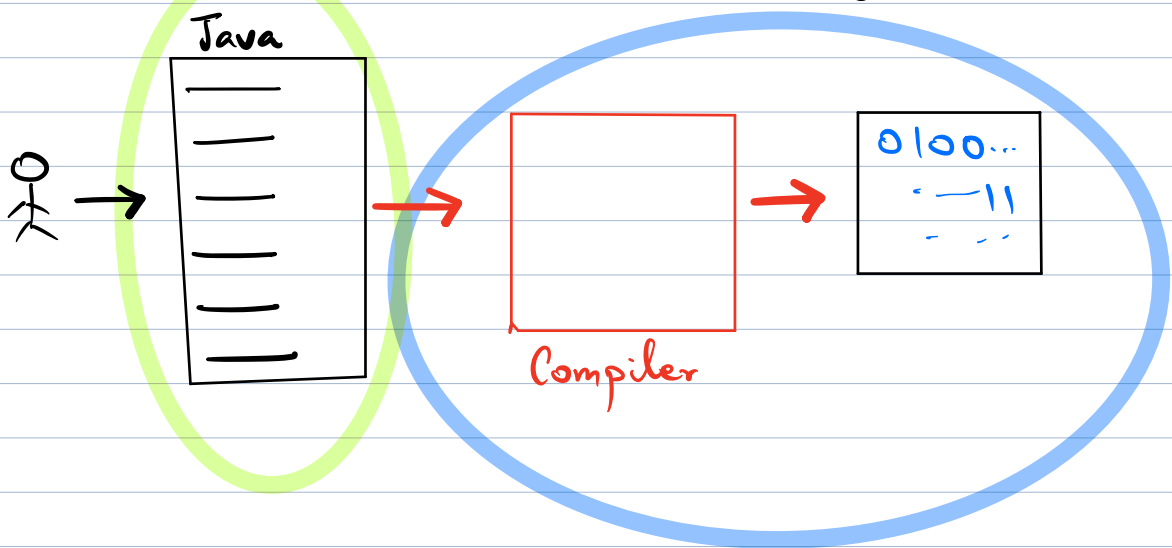


fetch me a glass of water.

- Go to the kitchen
- Fetch a glass
- Go to source of water
- fill the glass
- Deliver the glass of water.

One language → any



CS → Counter Strike

Compile time Error

→ I is teaching from my student.

→ I am teaching maths. ✓

↑
Grammar/
Syntax

× Semantics/
Meaning.

→ I am drinking Tinku. ✓
↳ Run Time Errors.

Input & Output

System.out.print(114); → 114

System.out.print(114 + 6); → 120

A way to
take these
no. from users

Something to store
or hold the
value

Variable ⇒ x, y, pin

↓
Datatypes. (int, char, boolean, string)

int x; (10)
int y;

Read x from user (10)
Read y from user (20)

System.out.print(x + y);

System.out.print(x * (x + y)); → 300
10 * (10 + 20)

$$10 \times \overline{30} = 300$$

Input from User

Scanner sc = new Scanner(System.in);
 ↑
 variable
 (Name)

```
int x = sc.nextInt();  
int y = sc.nextInt();
```