Habibo !!!   :-)
Habibo !!!

YOLO

- Go through the lecture
- Stackoverflow [Doubt] :- Google
- Ask your batchmates
- TA support
- Ask instructor

String input

Scanner scn = new Scanner (System.in);

// int   => scn.nextInt()
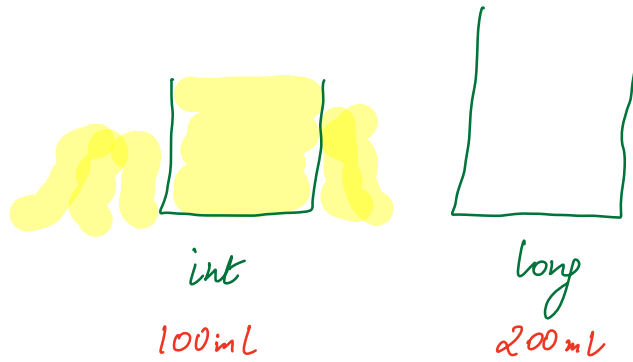// double => scn.nextDouble()
// string => scn.next()

String str = scn.next()
// Reads one word from input
   Input => Aarnav
        => Aarnav Jindal
String str = scn.nextLine()
// Reads entire sentence from input
        => Aarnav Jindal rocks !!
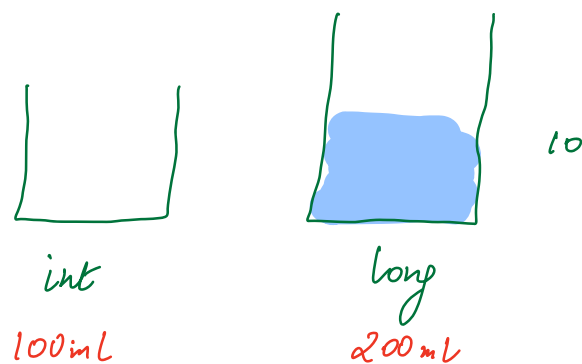
⇒   Aarnav Jindal is 25   (1)
    Aarnav is a teacher   (2)

Integer Overflow

int   long

100mL   200mL

System.out.print

int $x = 10^{10}$; // $\sim$ in 10^9

SOP(x); // Random value

Typecasting

int   long

100mL   200mL   10

int $x = 10$;
long $y = $ (long)x;

long $x = 10$;

$$\text{int } y = \text{(int) } x;$$

If - Else

I'll drink tea if it is available


```
tea
available?    False   → // Do nothing

True
↓
Give me tea
```



```
Condition
          tea
          available?    False   → Give me coffee

          True
          ↓
          Give me tea
```
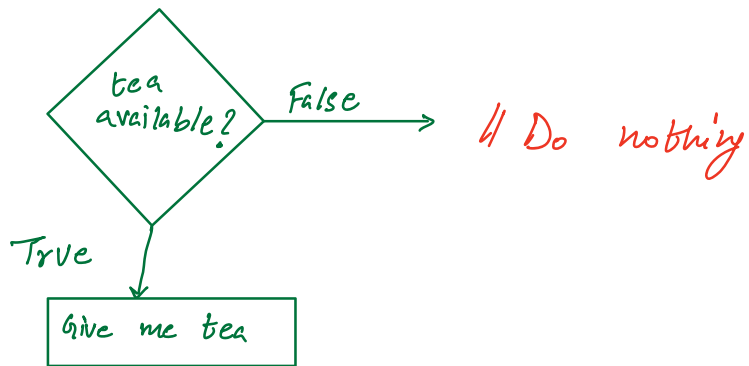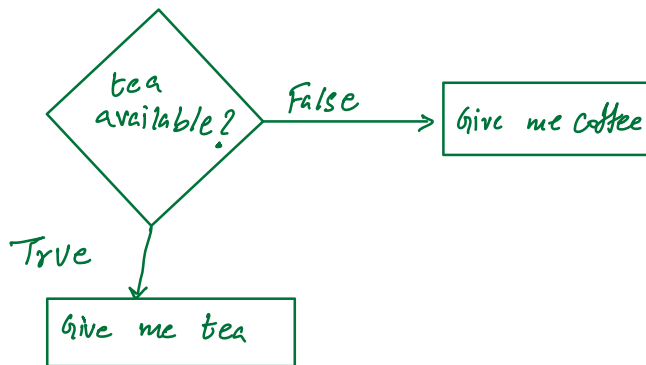
If tea is available give me tea else give me coffee

Syntax

```
if ( condition ) {
        // Do your work here
}
```

```
if ( condition ) {
        // Do your work here
}
    else {
        // Do else work here

    }
```

conditions ⇒ True / False
        ↓   Boolean
Boolean   expressions

1.   True
2.   4 == 5
3.   4+5 X

Assignment
int x = 5;

is x = 5 ?
    x == 5
    ↙   ↘
Yes   No
    x != 5
    ↙   ↘
Yes   No

Check if person is eligible to vote

Age : 18

```java
if ( age >= 18 ) {
    SOP(" Can vote");
}
else {
    SOP(" Can't vote");
}
```