

Intro

↳ Subhesh kumar (SK sir)

↳ SDE at amazon berlin

↳ 5* on codechef

↳ Refcoding → instructor + SDE

↳Scaler academy → instructor + SDE

↳ AlgoBee

video's agenda

↳ Intro to Programming.

↳ Input, output.

↳ Basic data types.

↳ operators

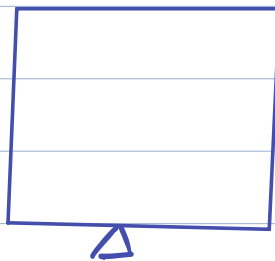
↳ If else

↳ loops

↳ Computer is like your friend? → idiot

↳ All the steps should be detailed.

only understand
↳ binary number (0,1)



convert into
(0/1 binary)

Compile

c/c++/java/
python/js

decimal no → (0,9)

binary no → (0,1)

IDE → integrated development environment.

↳ Eclipse

① output

↳ System.out.println(10); → 10

↳ System.out.println(10); → 10
System.out.println(20); → 20

↳ System.out.print(10); → 1020
System.out.println(20);

↳ `System.out.println("Algober");`

↳ `System.out.println(10 + "Algober");` ⇒ 10Algober

⑪ operators

↳ BODMAS → $5 + 5 \div 5 = 6$

↳ `System.out.println(5 + 5 ÷ 5);`

Rank 1 : Bracket ()

Rank 2 : Divide & multiply → whichever comes first

Rank 3 : Addition & Subtraction → " (left to right)

Ex 1: `System.out.println(4 + 3 * 5 - 10 / 2);`

↳ $(4 + 15 - 5) \Rightarrow 14$

Ex 2: `System.out.println(8 + 3 * 10);`

↳ 38

⑪ Datatypes

↳ Integer

-2^{31} $2^{31}-1$

→ `int n;`

`n = 10;`

`n = 20;`

`n = 100;`

Noida

Gurgaon

Bharu Postap
bus service

Truck service ↔ variables / Datatypes

Creating variables:

Way 1:

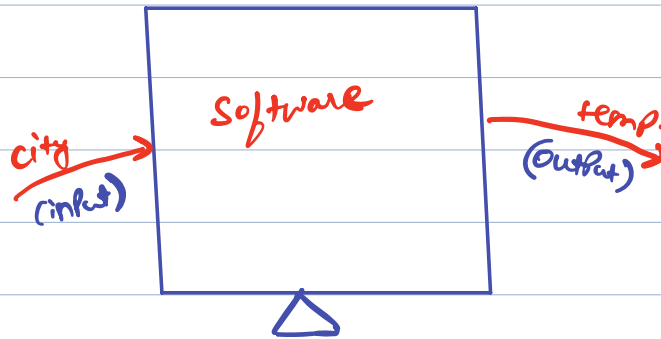
`int n;`

`n = 10;`

Way 2:

`int n = 20;`

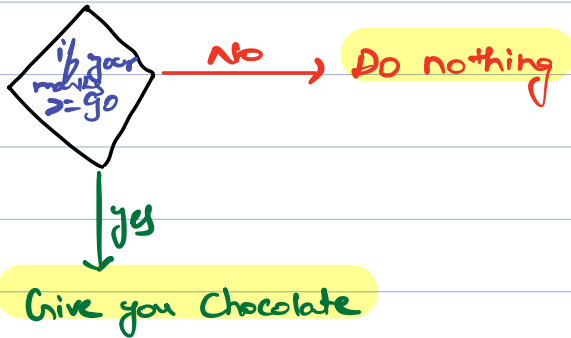
④ Input



```
Scanner scn = new Scanner(System.in);
```

```
int n = scn.nextInt();
```

⑤ If else



→ $\begin{array}{|c} \text{if } C \\ \hline \end{array}$ $\begin{array}{|c} \text{Condition} \\ \hline \end{array}$

Condition:

- $4 \neq 5$
- $4 < 10$
- $n \geq 90$
- ~~$4 < 10$~~

if-else

```

↳ | if (marks >= 90) {
    |
    | }
    | else {
    |
    | }

```

if - else if - else if - else

```
if (Condn1) {  
    // true  
}  
else if (Condn2) {  
    // true  
    // false  
}  
else if (Condn3) {  
    // true  
    // false  
}  
else if (Condn4) {  
    // true  
    // false  
}  
else {  
    // true  
    // false  
}
```


VI) Loops

→ DRY

```
System.out.print(1);
```

```
System.out.print(2);
```

```
System.out.print(3);
```

```
System.out.print(4);
```

```
System.out.print(5);
```

1) While loop

2) for loop

3) ~~do while~~

```
int i=1;
```

```
while (i<=100) {
```

```
System.out.println(i);
```

```
i = i+1; or i++;
```

```
}
```

1

99

2

100

3

4

```
for (int i=1; i<=100; i++) {
```

```
System.out.println(i);
```

```
}
```

~~i = 222~~ 101

1

99

2

100

3