Ternary Operator

```
int a;
int b;
int perfectSum;
```

Ex3

```
a=60;
b=40;
```

Ex1

a = 70

b : 30

a+5 → 100

perfectSum is 110

Ex2

a = 20

b : 30

50

```
perfectSum = (a+b==100) ? 110 : a+b;
S.O.pln(perfectSum);
```

a:60
b:40
output - 110

a:50
b:35
output - 85

```
int a=5;
```

1. b=a++
2. c=b++
3. a=++b
4. b=++c
5. c=++a
6. a=b++
7. b=++c

a	b	c
6	5	—
6	6	5
7	7	5
7	6	6
8	6	8
6	7	8
6	9	9

Conditional Statement

```
if(condition){
// statement
}
```

```
int a = 60;
if(a > 50) {
System.out.println("Greater than 50");
}
```

Output :-

Greater than 50

a = 40;

output -

---

if , else

```
if (condition) {
  // statement
  } else {
      // statement
        }
```

```
int a = 6;
if (a>50) {
System.out.println("Greater than 50");
}else{
   System.out.println("Less than 50");
}
```

Output ->
Less than 50

1. &&
2. ||
3. !

&& → (condition1) && (condition2)

1. true && true → true
2. false && true → false
3. false && false → false
4. true && false → false

|| (or)

(Condition 1) || (condition 2)

1. true || true → true
2. true || false → true
3. false || true → true
4. false || false → false

(true && false) || true → false || true → true

```
if(condition1){
//Statement1
} else if(condition2){
  //Statement2
  } else if(condition3){
    //Statement3
    } else {
      //Statement4
      }
```