Operators:

(+ - / * $\frac{1}{6}$)

(comp. (< 1 > , < = , > = = = !=)

Logical. (&& 11)

Conditional Statements.

condition age > 18 -> vote

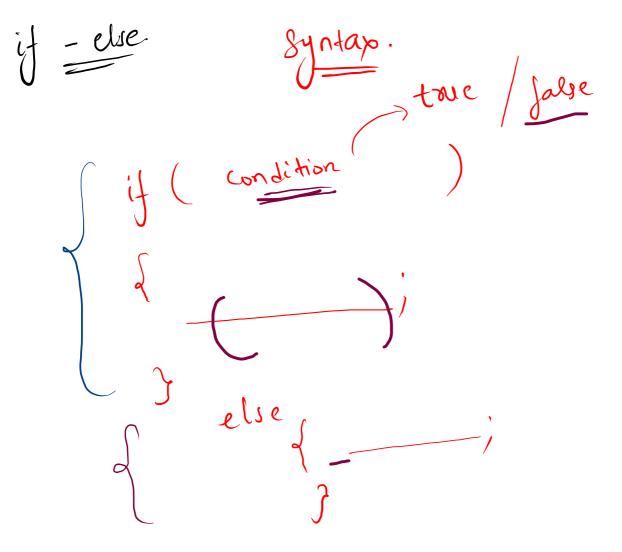
age < 18 -> cannot vote.

deal with conditions, in programming.

Conditional statement

(if , else if , else)

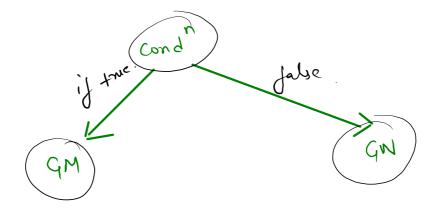
moon good affernoon morning) good morn



```
condition.
```

```
public class Main
{
   public static void main(String[] args) {
      int time = 9;
      if(time < 12){
            System.out.println("Good Morning");
      }
      else{
            System.out.println("Good Night");
      }
}</pre>
```





```
if (condition)
       body of 'if statement': work (I line)
      body of 'else statement: work
```

29

```
public class Main

public static void main(String[] args) {

int age = 8;

if(age < 18){

System.out.println("Junior");

}

else {

System.out.println("Senior");

}

11

}

12

}</pre>
```

Syntax.

else without y?

Adult or not 1

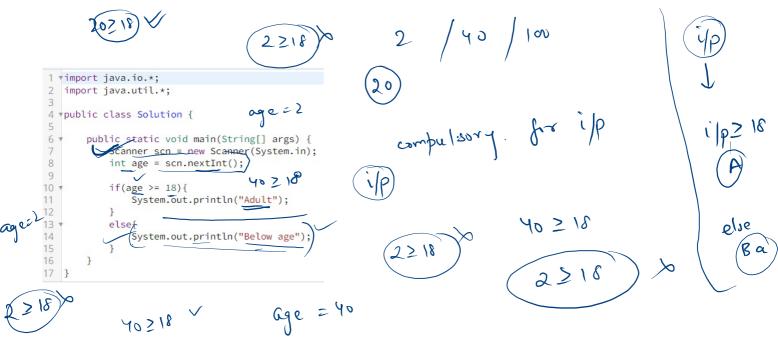
Sample Output 0

Adult

You will be given the age of a person as an <u>integ</u>er <u>inp</u>ut, you need to print ("Adult" if the age is greater than or equal to 18 and print "Below age" if the age is below 18.

20

else selow æge



Shop Discount

Problem Submissions Leaderboard Discussions A shop will give a discount of 10% on the total cost if the cost of the quantity purchased is more than 1000. a. Ask user for the number of units b. Suppose, one unit will cost 100. c. Judge and print total cost for the user in the integer format. (out of > 1000 Sample Input 0

1.
$$9\frac{1}{3}$$
 user

QHY 50

2. $1 \rightarrow 700$

So 300

1gty -> \$ 100

107.

6 disc = 10% of cost

1.
$$\frac{1}{1}$$
 $9ty = 20$
2. $cost = 20 \times 100$

= 2000

cost > 1000

cust - disc = 1800

 $disc = \frac{10}{1000} \times 2000 = 200$









9ty =50 9ty = 10 1 pty= 100 1 qty = 100 50 gly= 5000 cost 10 gty = 1000 2000>1000 cost >100 give 10) , give discomt 9 = (0) × 2000 1000 = 500 (0st (500)

```
4 *public class Solution {
6
       public static void main(String[] args) {
           Scanner scn = new Scanner(System_in);
           int qty = scn.nextInt();_
8
           int cost = qty * 100;
9
10
           if(cost > 1000){
11 7
12
               int disc = (cost*10)/100;
                                                                                      ost=disc
13
               System.out.println(cost - disc);
14
15 ▼
           else{
               System.out.println(cost);
16
17
18
19 }
```

High Sum or Low Sum

Problem Submissions Leaderboard You will get two integer inputs x and y, you need to print "High Sum" if sum is greater than or equal to 100, and print "Low Sum" otherwise. Sample Input 0

40

70

Sample Output 0

High Sum

nty 2 100 Mish Sum

```
▼import java.io.*;
    import java.util.*;
  ▼public class Solution {
6 1
        public static void main(String[] args) {
            Scanner scn = new Scanner(System.in);
            int x = scn.nextInt();
9
            int y = scn.nextInt();
10
            if(x + y >= 100){
11 v
12
               System.out.println("High Sum");
13
14 v
            else{
15
               System.out.println("Low Sum");
16
17
       }
18
```

