Revision

1.
Greater than 100 or not

Success Rate: 98.18% Max Score: 10 Difficulty: Medium

→ n → i/p (n>100) → t

2.
xyzw

Success Rate: 100.00% Max Score: 10 Difficulty: Medium

→ x, y, z, w } i/p print (x*y == z*w)

3.
Even or not

Success Rate: 98.11% Max Score: 10 Difficulty: Medium

→ (n) → even → true (n%2 == 0)

4.
Sum is less than 150 or not.

Success Rate: 100.00% Max Score: 10 Difficulty: Medium

→ x, y, z } i/p x+y+z < 150 → t

5. Adult or not

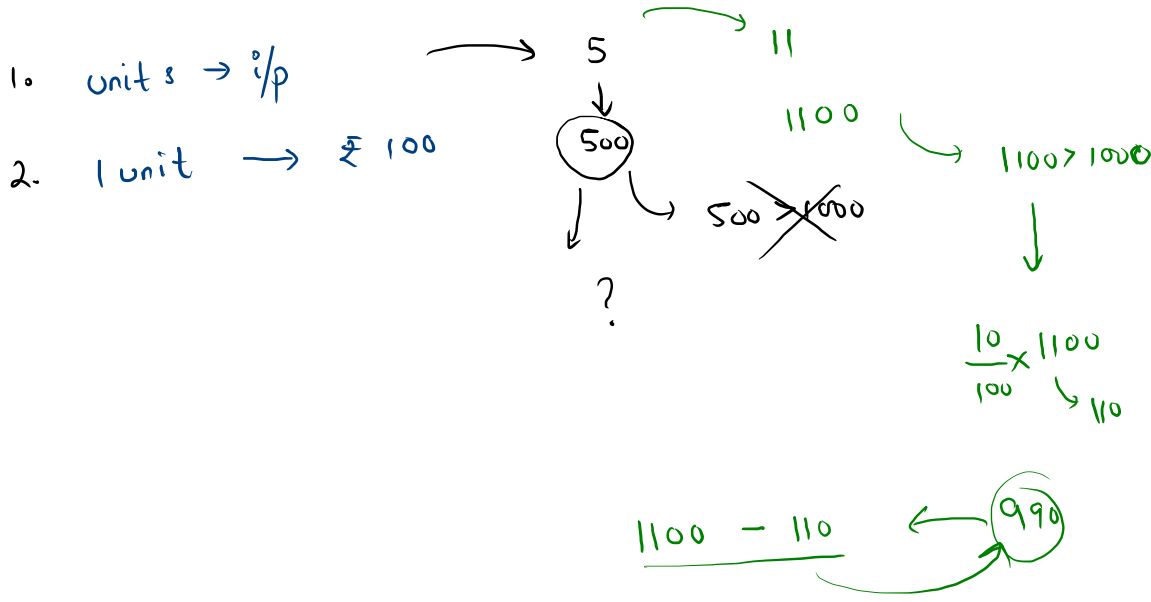
age } i/p age ≥ 18 → "Adult"

else age < 18 → Below age

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.



High Sum or Low Sum

Problem | Submissions | Leaderboard | Discussions

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.

x
y
} i/p

?

Sum ≥ 100 → "High Sum"

Sum < 100 → "Low Sum"

if - else.

↳ else if

```
public class Main
{
    public static void main(String[] args) {
        int value = 5;
        if(value == 5){
            System.out.println("Hi value is 5");
        }



        else if(value == 15){
            System.out.println("Hi value is 15");
        }
        else{
             System.out.println("I am in last else");
        }
    }
}
```

Grade the student 1

Problem | Submissions | Leaderboard | Discussions

You are given marks of a student as an integer input. You need to print according to the following rules: 1 for marks above 90, print excellent. 2 for marks above 80 and less than equal to 90, print good. 3 for marks above 70 and less than equal to 80, print fair. 4 for marks above 60 and less than equal to 70, print meets expectations. 5 for marks above 40 and less than equal to 60, print below par. 6 print failed if none of the above conditions follow.

if → else if → else

marks → i/p

1. $m > 90$ excellent

2. $m > 80$ and $m \leq 90$ → good

Print Bonus

Problem | Submissions | Leaderboard | Discussions

The bonus in a company is given by Bonus= Salary * (5 / 100). A company decided to give a bonus of 5% to employees if his/her years of service is more than 5 years. Ask user for their salary and year of service and print the net bonus amount. If the years of service is less than or equal to 5, print 0, otherwise print Bonus calculated.

Bonus = sal * 5/100

yos > 5
↳ bonus.

yos ≤ 5
↳ 0

i/p { sal
yos

Math.max(A, B)

A = 20

B = 25

```java
public class Main
{
    public static void main(String[] args) {
        int A = 20;
        int B = 25;
        int ans = Math.max(A,B);

        System.out.println(ans);

    }
}
```

logical Operators.

↳ and → &&

or → ||

and (&&)

↳ if all conditions are true then result is true

or (||)

↳ if any one conditions is true then result is true

Q1

```
public class Main
{
    public static void main(String[] args) {
        int A = 10;
        int B = 20;
        System.out.println( (A<B) && (A<10) );

    }
}
```

False

(10<20) True && (10<10) → false → not false

```
public class Main
{
    public static void main(String[] args) {
        int A = 10;
        int B = 20;
        System.out.println( (A<B) || (A<10) );

    }
}
```

True

```
public class Main
{
    public static void main(String[] args) {
        int A = 10;
        int B = 20;
        System.out.println( ((A<B) || (A<10)) && (B < 50));

    }
}
```

True