

## LOOPS QUESTIONS

**Question 1 :** How many times 'Hello' is printed?

```
public class Solution {  
    public static void main(String[] args){  
        for(int i=0; i<5; i++) {  
            System.out.println("Hello");  
            i+=2;  
        }  
    }  
}
```

**Question 2 :** Write a program that reads a set of integers, and then prints the sum of the even and odd integers.

**Question 3 :** Write a program to find the factorial of any number entered by the user.

(**Hint** : factorial of a number  $n = n * (n-1) * (n-2) * (n-3) * \dots * 1$  and exists for positive numbers only. We write factorial as  $n!$ )

So, factorial of  $0! = 1$ ,  $1! = 1$ ,  $2! = 2$ ,  $3! = 6$ ,  $4! = 24$  and so on.

Note - Please do not confuse factorial with NOT EQUAL TO operator, they are not the same)

**Question 4 :** Write a program to print the multiplication table of a number N, entered by the user.

**Question 5 :**

What is wrong in the following program?

```
public class Solution {  
    public static void main(String args[]) {  
        for(int i = 0; i <= 5; i++ ) {  
            System.out.println("i = " + i );  
        }  
    }  
}
```

```
System.out.println("i after the loop = " + i );  
}  
}
```

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