Status	Finished
Started	Sunday, 22 September 2024, 2:39 PM
Completed	Sunday, 22 September 2024, 3:18 PM
Duration	38 mins 38 secs

Question **1**

Correct

Marked out of 5.00

You have recently seen a motivational sports movie and want to start exercising regularly. Your coach tells you that it is important to get up early in the morning to exercise. She sets up a schedule for you:

On weekdays (Monday - Friday), you have to get up at 5:00. On weekends (Saturday & Sunday), you can wake up at 6:00. However, if you are on vacation, then you can get up at 7:00 on weekdays and 9:00 on weekends.

Write a program to print the time you should get up.

Input Format

Input containing an integer and a boolean value.

The integer tells you the day it is (1-Sunday, 2-Monday, 3-Tuesday, 4-Wednesday, 5-Thursday, 6-Friday, 7-Saturday). The boolean is true if you are on vacation and false if you're not on vacation.

You have to print the time you should get up.

Example Input:

1 false

Output:

6:00

Example Input:

5 false

Output:

5:00

Example Input:

1 true

Output:

9:00

For example:

Input	Result
1 false	6:00
5 false	5:00
1 true	9:00

Answer: (penalty regime: 0 %)

```
import java.util.*;
public class Exercise{
    public static String time(int day,boolean b){
        if(b)
        {
            if(day==1 || day==7)
            {
                return "9:00";
            }
            else{
                return "7:00";
            }
        }
        else
        {
            if(day==1 || day==7)
```

```
            {
                return "6:00";
            }
            else{
                return "5:00";
            }
        }
    }
    public static void main(String[] args){
        Scanner s = new Scanner(System.in);
        int day = s.nextInt();
        boolean b = s.nextBoolean();
        System.out.println(time(day,b));
    }
}
```

	Input	Expected	Got	
✓	1 false	6:00	6:00	✓
✓	5 false	5:00	5:00	✓
✓	1 true	9:00	9:00	✓

Passed all tests! ✓

Question **2**

Correct

Marked out of 5.00

You and your friend are movie fans and want to predict if the movie is going to be a hit!

The movie's success formula depends on 2 parameters:

the acting power of the actor (range 0 to 10)

the critic's rating of the movie (range 0 to 10)

The movie is a hit if the acting power is excellent (more than 8) or the rating is excellent (more than 8). This holds true except if either the acting power is poor (less than 2) or rating is poor (less than 2), then the movie is a flop. Otherwise the movie is average.

Write a program that takes 2 integers:

the first integer is the acting power

second integer is the critic's rating.

You have to print Yes if the movie is a hit, Maybe if the movie is average and No if the movie is flop.

Example input:

9 5

Output:

Yes

Example input:

1 9

Output:

No

Example input:

6 4

Output:

Maybe

For example:

Input	Result
9 5	Yes
1 9	No
6 4	Maybe

Answer: (penalty regime: 0 %)

```
import java.util.*;
public class Movie{
    public static void main(String[] args){
        Scanner s = new Scanner(System.in);
        int m = s.nextInt();
        int n = s.nextInt();
        if(m<2 || n<2)
        {
            System.out.println("No");
        }
        else if(m>8 || n>8)
        {
            System.out.println("Yes");
        }
        else{
```

```
            System.out.println("Maybe");
        }
    }
}
```

	Input	Expected	Got	
✓	9 5	Yes	Yes	✓
✓	1 9	No	No	✓
✓	6 4	Maybe	Maybe	✓

Passed all tests! ✓

Question **3**

Correct

Marked out of 5.00

Write a program that takes as parameter an integer n.

You have to print the number of zeros at the end of the factorial of n.

For example, 3! = 6. The number of zeros are 0. 5! = 120. The number of zeros at the end are 1.

Note: n! < 10^5

Example Input:

3

Output:

0

Example Input:

60

Output:

14

Example Input:

100

Output:

24

Example Input:

1024

Output:

253

For example:

Input	Result
3	0
60	14
100	24
1024	253

Answer: (penalty regime: 0 %)

Reset answer

```
// Java program to count trailing 0s in n!
import java.io.*;
import java.util.Scanner;
class prog {
    // Function to return trailing
    // 0s in factorial of n
    static int findTrailingZeros(int n)
    {
        if (n < 0) // Negative Number Edge Case
            return -1;

        // Initialize result

        int count=0;
        // Keep dividing n by powers
        // of 5 and update count
```

```
        // Of 5 and update count
        for (int i = 5; n / i >= 1;i*=5)
            count += n / i;

        return count;
    }

    // Driver Code
    public static void main(String[] args)
    {
        Scanner sc= new Scanner(System.in);
        int n = sc.nextInt();
        System.out.println(findTrailingZeros(n));
    }
}
```

	Input	Expected	Got	
✓	3	0	0	✓
✓	60	14	14	✓
✓	100	24	24	✓
✓	1024	253	253	✓

Passed all tests! ✓

◄ Lab-02-MCQ

Jump to...

Lab-03-MCQ ►