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<b>Status</b>	Finished
<b>Started</b>	Sunday, 29 September 2024, 6:26 PM
<b>Completed</b>	Sunday, 29 September 2024, 7:18 PM
<b>Duration</b>	51 mins 45 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 %)

```

1 import java.util.Scanner;
2 public class week{
3     public static void main(String[] srgs)
4     {
5         Scanner sc = new Scanner(System.in);
6         int a=sc.nextInt();
7         String b=sc.next();
8         if((a==1 || a==7)&& b.equals("false"))
9         {
10             System.out.println("6:00");
11         }
12         else if((a==1 || a==7)&&b.equals("true"))
13         {
14             System.out.println("9:00");
15         }
16         else if((a==2 || a==3 || a==4 || a==5 || a==6)&& b.equals("true"))
17         {
18             System.out.println("7:00");
19         }
20         else
21         {
22             System.out.println("5:00");
23         }
24     }
25 }
```

```
24 | }
25 |
26 | }
```

	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

Consider a sequence of the form 0, 1, 1, 2, 4, 7, 13, 24, 44, 81, 149...

Write a method program which takes as parameter an integer n and prints the nth term of the above sequence. The nth term will fit in an integer value.

Example Input:

5

Output:

4

Example Input:

8

Output:

24

Example Input:

11

Output:

149

For example:

Input	Result
5	4
8	24
11	149

Answer: (penalty regime: 0 %)

```
1 import java.util.Scanner;
2 public class week
3 {
4     public static void main(String[] args)
5     {
6         Scanner sc=new Scanner(System.in);
7         int n=sc.nextInt();
8         System.out.println(find(n));
9     }
10    public static int find(int n){
11        if(n==1)return 0;
12        if(n==2 || n==3) return 1;
13        int a=0;
14        int b=0;
15        int c=1;
16        int current=0;
17        for(int i=4;i<=n+1;i++)
18        {
19            current=a+b+c;
20            a=b;
21            b=c;
22            c=current;
23        }
24        return current;
25    }
26 }
```

	Input	Expected	Got	
✓	5	4	4	✓
✓	8	24	24	✓
✓	11	149	149	✓

Passed all tests! ✓

## Question 3

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 %)

```
1 import java.util.Scanner;
2 public class classname{
3     public static void main(String[] args){
4         Scanner sc=new Scanner(System.in);
5         int b=sc.nextInt();
6         int c=sc.nextInt();
7         if((b>=8 || c>=8)&&(b>2&c>2))
8         {
9             System.out.println("Yes");
10        }
11        else if(b<=2 || c<=2)
12        {
13            System.out.println("No");
14        }
15        else
16        {
17            System.out.println("Maybe");
18        }
19    }
20 }
```

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

Passed all tests! ✓

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