CS23333-Object Oriented Programming Using Java-2023

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Duration	53 mins 39 secs

Question 1

Correct

Marked out of 5.00

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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 %)

```java
import java.util.*;
public class week
{
    public static void main(String args[])
    {
      Scanner sc=new Scanner(System.in);
       int a=sc.nextInt();
       boolean b= sc.nextBoolean();
       if(b==false)
         {
           switch(a)
             {
               case 2:
               case 3:
               case 4:
               case 5:
               case 6:
                 System.out.println("5:00");
                   break;
               case 1:
               case 7:
                 System.out.println("6:00");
                   break;
             }
         }
       else
         {
           switch(a)
             {
               case 2:
               case 3:
               case 4:
               case 5:
               case 6:
                 System.out.println("7:00");
                   break;
               case 1:
               case 7:
                 System.out.println("9:00");
                   break;
             }
         }

      }
}
```

	Input	Expected	Got
	1 false	6:00	6:00

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

Passed all tests!

Write a Java program to input a number from user and print it into words using for loop. How to display number in words using loop in Java programming.

Logic to print number in words in Java programming.

Example

Input

1234
Output
One Two Three Four

Input:

16

Output:

one six

For example:

Test	Input	Result
1	45	Four Five
2	13	One Three
3	87	Eight Seven

Answer: (penalty regime: 0 %)

```java
import java.util.*;
public class one
{
    public static void main(String args[])
    {
      Scanner sc=new Scanner(System.in);
       int a=sc.nextInt();
       String b=Integer.toString(a);
      String[] word={"Zero","One","Two","Three","Four","Five","Six","Seven","Eight","Nine"};
       for(int i=0;i<b.length();i++)
         {
            char c=b.charAt(i);
           int d=Character.getNumericValue(c);
            System.out.print(word[d]+" ");
         }

    }
}
```

	Test	Input	Expected	Got	
	1	45	Four Five	Four Five	
	2	13	One Three	One Three	
	3	87	Eight Seven	Eight Seven	

Passed all tests!

Consider the following sequence:

1st term: 1

2nd term: 1 2 1

3rd term: 1 2 1 3 1 2 1

4th term: 1 2 1 3 1 2 1 4 1 2 1 3 1 2 1

And so on. Write a program that takes as parameter an integer n and prints the nth terms of this sequence.

Example Input:

1

Output:

1

Example Input:

4

Output:

1 2 1 3 1 2 1 4 1 2 1 3 1 2 1

For example:

Input	Result
1	1
2	1 2 1
3	1 2 1 3 1 2 1
4	1 2 1 3 1 2 1 4 1 2 1 3 1 2 1

Answer: (penalty regime: 0 %)

```java
import java.util.*;
public class one
{   public static String Nth(int n)
    {
        if(n==1)
        {
            return "1";
        }
        else
        {
            String p=Nth(n-1);
```

```
            return p+" "+n+" "+p;
        }
    }
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        System.out.println(Nth(n));
    }
}
```

	Input	Expected	Got	
	1	1	1	
	2	1 2 1	1 2 1	
	3	1 2 1 3 1 2 1	1 2 1 3 1 2 1	
	4	1 2 1 3 1 2 1 4 1 2 1 3 1 2 1	1 2 1 3 1 2 1 4 1 2 1 3 1 2 1	

Passed all tests!

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