Question **1**

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.Scanner;
public class MoviePrediction {
public static void main(String[] args) {
Scanner scanner = new Scanner(System.in);

int actingPower = scanner.nextInt();
int criticRating = scanner.nextInt();

if (actingPower < 2 || criticRating < 2) {
System.out.println("No");
} else if (actingPower > 8 || criticRating > 8) {
System.out.println("Yes");
} else {
System.out.println("Maybe");
}
```

```
scanner.close();
}
}
```

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

Passed all tests! ✓

Question **2**

Correct

Marked out of 5.00

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 %)

```
import java.util.Scanner;

public class SequenceGenerator {


    public static String generateTerm(int n) {
        if (n == 1) {
            return "1";
        } else {

            String previousTerm = generateTerm(n - 1);
            return previousTerm + " " + n + " " + previousTerm;
        }
    }

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);


        int n = scanner.nextInt();


        System.out.println(generateTerm(n));

        scanner.close();
}
```

```
27 |}
```

	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! ✓

Question **3**

Correct

Marked out of 5.00

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 %)

```
import java.util.Scanner;

public class UnakkuThan {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        int number = scanner.nextInt();
        printNumberInWords(number);
    }

    public static void printNumberInWords(int number) {
        String[] words = { "Zero", "One", "Two", "Three", "Four", "Five", "Six", "Seven", "Eigh
        String numStr = Integer.toString(number);
        for (int i = 0; i < numStr.length(); i++) {
            char digit = numStr.charAt(i);
            System.out.print(words[digit - '0'] + " ");
        }
        System.out.println();
}
}
```

	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! ✓

◄ Lab-02-MCQ

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Lab-03-MCQ ►