

**B.B.D. UNIVERSITY**

**SUBJECT: JAVA FUNDAMENTAL**

**LOOPS ASSIGNMENT**

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**B.TECH (CSE) IOTBC 1**

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## Question 1

### Pattern Printing I

#### Description

You are given an integer stored in a variable with the name n

You have to print the following pattern according to the value stored in n

For example, consider the value stored in n = 5, then the required output will be

```
* * * * *
*
*
*
* * * * *
```

Note : Please check for spaces

## CODE

```
public class JavaAssignment {
    public static void main (String [] args){

        System.out.println("Question 1");

        int n=4;
        for(int i=0; i<n; i++) {
            System.out.print("*");
        }
        for(int i=0; i<n; i++){
            System.out.print("*");
            System.out.print("\n");
        }
        for (int i=0; i<=n; i++){
            System.out.print("*");
        }
        System.out.println(" ");

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

## OUTPUT



The screenshot shows the output of the Java program. It displays the text "Question 1" at the top. Below it, the pattern of asterisks is printed: a horizontal row of 5 asterisks, followed by three single asterisks on separate lines, and finally a horizontal row of 5 asterisks. The output is displayed on a black background with white text.

## Question 2

### Pattern Printing

#### Description

You are given a number, stored in a variable with the name N

Print the pattern as shown below.

If the value stored in N = 4, then the pattern required will be

```
*  
**  
***  
****
```

## CODE

```
System.out.println("Question 2");  
  
int o=5;  
for (int k=0; k<o; k++) {  
    for (int j=k; j>0; j--) {  
        System.out.print("*");  
    }  
    System.out.println("\n");  
}  
  
System.out.println("=====");
```

## OUTPUT

Question 2

```
*  
  
**  
  
***  
  
****
```

### Question 3

#### Pattern Printing V

#### Description

Given an integer  $N$ , and a pattern. Print the pattern as given in the sample I/O.

```
* * * * *
* * * *
* * *
* *
*
```

Note: Please check for spaces.

### CODE

```
System.out.println("Question 3");

int q=5;
for (int i=q; i>0; i--){
    for(int j=0; j<i; j++){
        System.out.print("*");
    }
    System.out.println("\n");
}
```

### OUTPUT

```
Question 3
*****

****

***

**

*
```

#### Question 4

Pattern Printing U

Description

You are given an integer stored in a variable with the name N

You have to print the following pattern according to the value stored in N

For example, consider the value stored in N = 5, then the required output will be

```
*      *  
*      *  
*      *  
*      *  
*****
```

Note : Please check for spaces

### CODE

```
System.out.println("Question 3");  
  
System.out.println("Question 4");  
int l=4;  
for(int h=0; h<l; h++){  
    System.out.print("*      *");  
    System.out.print("\n");  
}  
for (int h=0; h<5; h++){  
    System.out.print("*");  
}
```

### OUTPUT

```
Question 4  
*      *  
*      *  
*      *  
*      *  
*****
```

