

# Rajalakshmi Engineering College

Name: Vineeth P

Email: 240701589@rajalakshmi.edu.in

Roll no:

Phone: null

Branch: REC

Department: CSE - Section 9

Batch: 2028

Degree: B.E - CSE

Scan to verify results



## 2024\_28\_III\_OOPS Using Java Lab

### 2028\_REC\_OOPS using Java\_Week 2\_Q6

Attempt : 1

Total Mark : 10

Marks Obtained : 10

#### Section 1 : Coding

##### 1. Problem Statement

Maya, a student in an arts and crafts class, wants to create a pattern using stars (\*) in a specific format. She plans to use a program to help her construct the pattern.

Write a program that takes an integer as input and constructs the following pattern using nested for loops.

Input: 5

Output:

\*

\* \*

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

### ***Input Format***

The input consists of a number (integer) representing the number of rows.

### ***Output Format***

The output displays the required pattern.

Refer to the sample output for the formatting specifications.

### ***Sample Test Case***

Input: 5

Output: \*

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

### ***Answer***

```
// You are using Java
import java.util.*;
class main{
    public static void main(String args[]){
        Scanner s=new Scanner(System.in);
```

```
int n=s.nextInt();
for(int i=1;i<=n;i++){
    for(int j=1;j<=i;j++){
        System.out.println("*");
    }
    System.out.println();
}
for(int i=n-1;i>=1;i--){
    for(int j=1;j<=i;j++){
        System.out.println("*");

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

**Status :** Correct

**Marks :** 10/10