

# Patterns

## 1.Rectangle pattern 6:

### Submitted Code

Language: Java 8

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         /* Enter your code here. Read input from STDIN. Print output to STDOUT */
8         Scanner sc=new Scanner(System.in);
9         int r=sc.nextInt();
10        int c=sc.nextInt();
11        for(int i=0;i<r;i++){
12            for(int j=0;j<c;j++){
13                System.out.print("*");
14            }
15            System.out.println();
16        }
17    }
18 }
```

## 2.Perfect square frame:

### Submitted Code

Language: Java 8

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         /* Enter your code here. Read input from STDIN. Print output to STDOUT */
8         Scanner sc=new Scanner(System.in);
9         int r=sc.nextInt();
10        for(int i=0;i<r;i++){
11            for(int j=0;j<r;j++){
12                System.out.print("*");
13            }
14            System.out.println();
15        }
16    }
17 }
```

### 3.Staircase of stars:

#### Submitted Code

Language: Java 8

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         /* Enter your code here. Read input from STDIN. Print output to STDOUT */
8         Scanner sc=new Scanner(System.in);
9         int r=sc.nextInt();
10        for(int i=0;i<r;i++){
11            for(int j=0;j<=i;j++){
12                System.out.print("*");
13            }
14            System.out.println();
15        }
16    }
17 }
```

### 4.Descending star steps:

#### Submitted Code

Language: Java 8

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         /* Enter your code here. Read input from STDIN. Print output to STDOUT */
8         Scanner sc=new Scanner(System.in);
9         int r=sc.nextInt();
10        for(int i=r-1;i>=0;i--){
11            for(int j=0;j<=i;j++){
12                System.out.print("*");
13            }
14            System.out.println();
15        }
16    }
17 }
```

## 5.Diagonal stars:

### Submitted Code

Language: Java 8

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         /* Enter your code here. Read input from STDIN. Print ou
8         Scanner sc=new Scanner(System.in);
9         int n=sc.nextInt();
10        for(int i=0;i<n;i++) {
11            for(int j=0; j<n; j++) {
12                if(j==i)
13                    System.out.print("*");
14                else
15                    System.out.print(" ");
16            }
17            System.out.println();
18        }
19    }
20 }
```

## 6.Star box frame:

### Submitted Code

Language: Java 8

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         /* Enter your code here. Read input from STDIN. I
8         Scanner sc = new Scanner(System.in);
9         int n=sc.nextInt();
10        for(int i=0;i<n;i++) {
11            for(int j=0;j<n;j++) {
12                if(i==0||j==0||i==n-1||j==n-1)
13                    System.out.print("* ");
14                else
15                    System.out.print("  ");
16            }
17            System.out.println();
18        }
19    }
20 }
```

## 7.Star pyramid 2:

### Submitted Code

Language: Java 8

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         /* Enter your code here. Read input from STDIN. Print c
8         Scanner sc = new Scanner(System.in);
9         int n = sc.nextInt();
10        for(int i = 0; i<n; i++) {
11            for(int j = 0; j <n-i-1; j++) {
12                System.out.print(" ");
13            }
14            for(int k=0;k<2*i+1;k++){
15                System.out.print("*");
16            }
17            System.out.println();
18        }
19    }
20 }
```

## 8.Diamond star pattern:

### Submitted Code

Language: Java 8

```
1 import java.io.*;
2 import java.util.*;
3 public class Solution {
4     public static void main(String[] args){
5         Scanner sc = new Scanner(System.in);
6         int n=sc.nextInt();
7         for(int i=0;i<n;i++) {
8             for(int j=0;j<n-i-1;j++) {
9                 System.out.print(" ");
10            }
11            for(int k=0;k<2*i+1;k++){
12                System.out.print("*");
13            }System.out.println();
14        }
15        for(int i=n-2;i>=0;i--) {
16            for(int j=0; j<n-i-1;j++) {
17                System.out.print(" ");
18            }
19            for(int k=0;k<2*i+1;k++){
20                System.out.print("*");
21            }
22            System.out.println();
23        }
24    }
25 }
```

9.Buzz number 2:

## Submitted Code

Language: Java 8

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         /* Enter your code here. Read input from STDIN. Print c
8         Scanner sc = new Scanner(System.in);
9         int n = sc.nextInt();
10        if (n % 7 == 0 || n % 10 == 7) {
11            System.out.println("Buzz Number");
12        } else {
13            System.out.println("Not Buzz Number");
14        }
15    }
16 }
```