

# 80+ Pattern Programs In Java

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Java programs to print the numbers or stars or any other characters in different patterns are one of the frequently asked interview programs mostly for freshers. Because, they test the candidate's logical ability as well as coding skills which are 'must have skills' for any software engineer. In this post, I have collected some of the different number, star and character pattern programs in Java and have tried to solve them. I hope they will be helpful for you guys.

**Table Of Contents :**

Java Pattern Programs					
Java Concept Of The Day					
Number Patterns		Star Patterns		Character Patterns	
1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 1 2 3 4 5 6 1 2 3 4 5 6 7	1 2 3 4 5 6 7 1 2 3 4 5 6 1 2 3 4 5 1 2 3 4 1 2 3 1 2 1	* ** *** **** ***** ***** *****	***** ***** ***** ***** *** ** *	A AB ABC ABCD ABCDE ABCDEF ABCDEFG	ABCDEFG ABCDEF ABCDE ABCD ABC AB A
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1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 1 2 3 4 5 6 1 2 3 4 5 6 7	1 2 3 4 5 6 7 1 2 3 4 5 6 1 2 3 4 5 1 2 3 4 1 2 3 1 2 1	* ** *** **** ***** ***** *****	***** ***** ***** ***** *** ** *	A AB ABC ABCD ABCDE ABCDEF ABCDEFG	ABCDEFG ABCDEF ABCDE ABCD ABC AB A
1 2 3 4 5 6 7 1 2 3 4 5 6 1 2 3 4 5 1 2 3 4 1 2 3 1 2 1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 1 2 3 4 5 6 1 2 3 4 5 6 7	1 2 3 4 5 6 7 1 2 3 4 5 6 1 2 3 4 5 1 2 3 4 1 2 3 1 2 1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 1 2 3 4 5 6 1 2 3 4 5 6 7	***** ***** ***** ***** ***** ***** ***** ***** ***** ***** ***** ***** *****	***** ***** ***** ***** ***** ***** ***** ***** ***** ***** ***** ***** *****	ABCDEFG ABCDEF ABCDE ABCD ABC AB A AB ABC ABCD ABCDE ABCDEF ABCDEFG	ABCDEFG ABCDEF ABCDE ABCD ABC AB A AB ABC ABCD ABCDE ABCDEF ABCDEFG
1 2 3 4 5 6 7 1 2 3 4 5 6 1 2 3 4 5 1 2 3 4 1 2 3 1 2 1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 1 2 3 4 5 6 1 2 3 4 5 6 7	1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 1 2 3 4 5 6 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6 7	***** ***** ***** ***** ***** ***** ***** ***** ***** ***** ***** ***** *****	* ** *** **** ***** ***** ***** ***** ***** ***** ***** ***** *****	ABCDEFG ABCDEF ABCDE ABCD ABC AB A AB ABC ABCD ABCDE ABCDEF ABCDEFG	A AB ABC ABCD ABCDE ABCDEF ABCDEFG ABCDEFG ABCDEFG ABCDEFG ABCDEFG ABCDEFG
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## Number Pattern Programs In Java :

### Pattern 1 :

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
1 2 3 4 5 6 7
```

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 for (int j = 1; j <= i; j++)
13 {
14 System.out.print(j+" ");
15 }
16 System.out.println();
17 }
18 sc.close();
19 }
20
21
22
23
24
25
26
27
28
29
30
31
```

### Pattern 2 :

```
1 2 3 4 5 6 7
1 2 3 4 5 6
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
```

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = rows; i >= 1; i--)
11 {
12 for (int j = 1; j <= i; j++)
13 {
14 System.out.print(j+" ");
15 }
16 System.out.println();
17 }
18 sc.close();
19 }
20
21
22
23
24
25
26
27
28
29
30
31
```

### Pattern 3 :

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
6 6 6 6 6 6
7 7 7 7 7 7 7
```

## Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12     for (int j = 1; j <= i; j++)
13     {
14         System.out.print(i+" ");
15     }
16     System.out.println();
17 }
18 sc.close();
19 }
20
21
22
23
24
25
26
27
28
29
30
31
```

## Pattern 4 :

```
7 7 7 7 7 7 7
6 6 6 6 6 6
5 5 5 5 5
4 4 4 4
3 3 3
2 2
1
```

## Java Program :

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4      public static void main(String[] args)
5      {
6          Scanner sc = new Scanner(System.in);
7          System.out.println("How many rows you want in this pattern?");
8          int rows = sc.nextInt();
9          System.out.println("Here is your pattern....!!!");
10         for (int i = rows; i >= 1; i--)
11         {
12             for (int j = 1; j <= i; j++)
13             {
14                 System.out.print(i+" ");
15             }
16             System.out.println();
17         }
18         sc.close();
19     }
20
21
22
23
24
25
26
27
28
29
30
31

```

#### Pattern 5 :

```

7
7 6
7 6 5
7 6 5 4
7 6 5 4 3
7 6 5 4 3 2
7 6 5 4 3 2 1

```

#### Java Program :

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = rows; i >= 1; i--)
11 {
12 for (int j = rows; j >= i; j--)
13 {
14 System.out.print(j+" ");
15 }
16 System.out.println();
17 }
18 sc.close();
19 }
20
21
22
23
24
25
26
27
28
29
30
31

```

#### Pattern 6 :

```

7 6 5 4 3 2 1
7 6 5 4 3 2
7 6 5 4 3
7 6 5 4
7 6 5
7 6
7

```

#### Java Program :

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4      public static void main(String[] args)
5      {
6          Scanner sc = new Scanner(System.in);
7          System.out.println("How many rows you want in this pattern?");
8          int rows = sc.nextInt();
9          System.out.println("Here is your pattern....!!!");
10         for (int i = 1; i <= rows; i++)
11         {
12             for (int j = rows; j >= i; j--)
13             {
14                 System.out.print(j+" ");
15             }
16             System.out.println();
17         }
18         sc.close();
19     }
20
21
22
23
24
25
26
27
28
29
30
31

```

#### Pattern 7 :



```

1
2 1
3 2 1
4 3 2 1
5 4 3 2 1
6 5 4 3 2 1
7 6 5 4 3 2 1

```

#### Java Program :



```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 for (int j = i; j >= 1; j--)
13 {
14 System.out.print(j+" ");
15 }
16 System.out.println();
17 }
18 sc.close();
19 }
20
21
22
23
24
25
26
27
28
29
30
31

```

#### Pattern 8 :

```

7 6 5 4 3 2 1
6 5 4 3 2 1
5 4 3 2 1
4 3 2 1
3 2 1
2 1
1

```

#### Java Program :

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = rows; i >= 1; i--)
11 {
12 for (int j = i; j >= 1; j--)
13 {
14 System.out.print(j+" ");
15 }
16 System.out.println();
17 }
18 sc.close();
19 }
20
21
22
23
24
25
26
27
28
29
30
31

```

### Pattern 9 :

```

1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
1 2 3 4 5 6 7
1 2 3 4 5 6
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1

```

### Java Program :

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 for (int j = 1; j <= i; j++)
13 {
14 System.out.print(j+" ");
15 }
16 System.out.println();
17 }
18 for (int i = rows-1; i >= 1; i--)
19 {
20 for (int j = 1; j <= i; j++)
21 {
22 System.out.print(j+" ");
23 }
24 System.out.println();
25 }
26 sc.close();
27 }
28 }
29 }
30 }
31 }
32 }
33 }
34 }
35 }
36 }
37 }
38 }
39 }
40 }
41 }
42 }
43 }
44 }
45 }

```

**Pattern 10 :**

1 2 3 4 5 6 7  
1 2 3 4 5 6  
1 2 3 4 5  
1 2 3 4  
1 2 3  
1 2  
1  
1 2  
1 2 3  
1 2 3 4  
1 2 3 4 5  
1 2 3 4 5 6  
1 2 3 4 5 6 7

**Java Program :**

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = rows; i >= 1; i--)
11 {
12 for (int j = 1; j <= i; j++)
13 {
14 System.out.print(j+" ");
15 }
16 System.out.println();
17 for (int i = 2; i <= rows; i++)
18 {
19 for (int j = 1; j <= i; j++)
20 {
21 System.out.print(j+" ");
22 }
23 System.out.println();
24 }
25 sc.close();
26 }
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
```

**Pattern 11 :**

```
1
1 2 1
1 2 3 2 1
1 2 3 4 3 2 1
1 2 3 4 5 4 3 2 1
1 2 3 4 5 6 5 4 3 2 1
1 2 3 4 5 6 7 6 5 4 3 2 1
```

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 for (int j = 1; j <= i; j++)
13 {
14 System.out.print(j+" ");
15 }
16 for (int j = i-1; j >= 1; j--)
17 {
18 System.out.print(j+" ");
19 }
20 System.out.println();
21 }
22 sc.close();
23 }
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
```

### Pattern 12 :

```
      1
     1 2
    1 2 3
   1 2 3 4
  1 2 3 4 5
 1 2 3 4 5 6
1 2 3 4 5 6 7
```

### Java Program :

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 for (int j = 2*rows-i; j > i; j--)
13 {
14 System.out.print(" ");
15 }
16 for (int j = 1; j <= i; j++)
17 {
18 System.out.print(j+" ");
19 }
20 System.out.println();
21 }
22 }
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40

```

### Pattern 13 :

```

1 2 3 4 5 6 7
  1 2 3 4 5 6
    1 2 3 4 5
      1 2 3 4
        1 2 3
          1 2
            1

```



## Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = rows; i >= 1; i--)
11 {
12     for (int j = 2*rows-i; j > i; j--)
13     {
14         System.out.print(" ");
15     }
16     for (int j = 1; j <= i; j++)
17     {
18         System.out.print(j+" ");
19     }
20     System.out.println();
21 }
22 }
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
```

## Pattern 14 :

```

    1
   2 1
  3 2 1
 4 3 2 1
5 4 3 2 1
6 5 4 3 2 1
7 6 5 4 3 2 1
```

### Java Program :

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12     for (int j = 2*rows-i; j > i; j--)
13     {
14         System.out.print(" ");
15     }
16     for (int j = i; j >= 1; j--)
17     {
18         System.out.print(j+" ");
19     }
20     System.out.println();
21 }
22 sc.close();
23 }
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
```

### Pattern 15 :

```
7 6 5 4 3 2 1
 6 5 4 3 2 1
  5 4 3 2 1
   4 3 2 1
    3 2 1
     2 1
      1
```

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = rows; i >= 1; i--)
11 {
12 for (int j = 2*rows-i; j > i; j--)
13 {
14 System.out.print(" ");
15 }
16 for (int j = i; j >= 1; j--)
17 {
18 System.out.print(j+" ");
19 }
20 System.out.println();
21 }
22 }
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
```

**Pattern 16 :**

```
1234567
 234567
   34567
    4567
     567
      67
       7
      67
     567
    4567
   34567
  234567
1234567
```

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 for (int j = 1; j < i; j++)
13 {
14 System.out.print(" ");
15 }
16 for (int j = i; j <= rows; j++)
17 {
18 System.out.print(j);
19 }
20 System.out.println();
21 for (int i = rows-1; i >= 1; i--)
22 {
23 for (int j = 1; j < i; j++)
24 {
25 System.out.print(" ");
26 }
27 for (int j = i; j <= rows; j++)
28 {
29 System.out.print(j);
30 }
31 System.out.println();
32 }
33 sc.close();
34 }
35 }
36 }
```

37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63

Pattern 17 :

```
      1
     1 2
    1 2 3
   1 2 3 4
  1 2 3 4 5
 1 2 3 4 5 6
1 2 3 4 5 6 7
```

**Java Program :**

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 for (int j = 1; j <= rows-i; j++)
13 {
14 System.out.print(" ");
15 }
16 for (int j = 1; j <= i; j++)
17 {
18 System.out.print(j+" ");
19 }
20 System.out.println();
21 }
22 }
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40

```

**Pattern 18 :**

```

1
2 3
3 4 5
4 5 6 7
5 6 7 8 9

```

**Java Program :**

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4      public static void main(String[] args)
5      {
6          Scanner sc = new Scanner(System.in);
7          System.out.println("How many rows you want in this pattern?");
8          int rows = sc.nextInt();
9          System.out.println("Here is your pattern....!!!");
10
11         for (int i = 1; i <= rows; i++)
12         {
13             for (int j = 1; j <= rows-i; j++)
14             {
15                 System.out.print(" ");
16             }
17             for (int j = i; j < 2*i; j++)
18             {
19                 System.out.print(j+" ");
20             }
21             System.out.println();
22         }
23         sc.close();
24     }
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40

```

#### Pattern 19 :

```

      1
     2 2
    3 3 3
   4 4 4 4
  5 5 5 5 5
 6 6 6 6 6 6
 7 7 7 7 7 7 7

```



## Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12     for (int j = 1; j <= rows-i; j++)
13     {
14         System.out.print(" ");
15     }
16     for (int j = 1; j <= i; j++)
17     {
18         System.out.print(i+" ");
19     }
20     System.out.println();
21 }
22 }
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
```

## Pattern 20 :

```
7 7 7 7 7 7 7
6 6 6 6 6 6
5 5 5 5 5
4 4 4 4
3 3 3
2 2
1
```

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = rows; i >= 1; i--)
11 {
12 for (int j = 1; j <= rows-i; j++)
13 {
14 System.out.print(" ");
15 }
16 for (int j = 1; j <= i; j++)
17 {
18 System.out.print(i+" ");
19 }
20 System.out.println();
21 }
22 }
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
```

### Pattern 21 :

```

    7
  6 7
5 6 7
4 5 6 7
3 4 5 6 7
2 3 4 5 6 7
1 2 3 4 5 6 7
```

### Java Program :

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = rows; i >= 1; i--)
11 {
12 for (int j = 1; j < i; j++)
13 {
14 System.out.print(" ");
15 }
16 for (int j = i; j <= rows; j++)
17 {
18 System.out.print(j+" ");
19 }
20 System.out.println();
21 }
22 sc.close();
23 }
24 }
25 }
26 }
27 }
28 }
29 }
30 }
31 }
32 }
33 }
34 }
35 }
36 }
37 }
38 }
39 }
40 }

```

## Pattern 22 :

```

1 2 3 4 5 6 7
2 3 4 5 6 7
3 4 5 6 7
4 5 6 7
5 6 7
6 7
7

```

## Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12     for (int j = 1; j < i; j++)
13     {
14         System.out.print(" ");
15     }
16     for (int j = i; j <= rows; j++)
17     {
18         System.out.print(j+" ");
19     }
20     System.out.println();
21 }
22 }
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
```

## Pattern 23 :

```

    7
  7 6
7 6 5
  7 6 5 4
    7 6 5 4 3
      7 6 5 4 3 2
        7 6 5 4 3 2 1

```

### Java Program :

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = rows; i >= 1; i--)
11 {
12 for (int j = 1; j < i; j++)
13 {
14 System.out.print(" ");
15 }
16 for (int j = rows; j >= i; j--)
17 {
18 System.out.print(j+" ");
19 }
20 System.out.println();
21 }
22 sc.close();
23 }
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40

```

**Pattern 24 :**

```
7 6 5 4 3 2 1
 7 6 5 4 3 2
  7 6 5 4 3
   7 6 5 4
    7 6 5
     7 6
      7
```

**Java Program :**

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 for (int j = 1; j < i; j++)
13 {
14 System.out.print(" ");
15 }
16 for (int j = rows; j >= i; j--)
17 {
18 System.out.print(j+" ");
19 }
20 System.out.println();
21 }
22 }
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
```

**Pattern 25 :**



```

1 2 3 4 5 6 7
 2 3 4 5 6 7
   3 4 5 6 7
    4 5 6 7
     5 6 7
      6 7
       7
      6 7
     5 6 7
    4 5 6 7
   3 4 5 6 7
  2 3 4 5 6 7
1 2 3 4 5 6 7

```

### Java Program :

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 for (int j = 1; j < i; j++)
13 {
14 System.out.print(" ");
15 }
16 for (int j = i; j <= rows; j++)
17 {
18 System.out.print(j+" ");
19 }
20 System.out.println();
21 for (int i = rows-1; i >= 1; i--)
22 {
23 for (int j = 1; j < i; j++)
24 {
25 System.out.print(" ");
26 }
27 for (int j = i; j <= rows; j++)
28 {
29 System.out.print(j+" ");
30 }
31 System.out.println();
32 }
33 sc.close();
34 }
35 }
36

```

37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63

**Pattern 26 :**

1  
10  
101  
1010  
10101  
101010  
1010101

**Java Program :**

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 for (int j = 1; j <= i; j++)
13 {
14 if(j%2 == 0)
15 {
16 System.out.print(0);
17 }
18 else
19 {
20 System.out.print(1);
21 }
22 }
23 System.out.println();
24 }
25 sc.close();
26 }
27
28
29
30
31
32
33
34

```

#### Pattern 27 :

```

1010101
0101010
1010101
0101010
1010101
0101010
1010101

```

#### Java Program :

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 int num;
13 if(i%2 == 0)
14 {
15 num = 0;
16 for (int j = 1; j <= rows; j++)
17 {
18 System.out.print(num);
19 num = (num == 0)? 1 : 0;
20 }
21 }
22 else
23 {
24 num = 1;
25 for (int j = 1; j <= rows; j++)
26 {
27 System.out.print(num);
28 num = (num == 0)? 1 : 0;
29 }
30 }
31 System.out.println();
32 }
33 sc.close();
34 }
35 }
36
37
38
39
40
41
42
43
44
45
46
47

```

**Pattern 28 :**

1111111  
1111122  
1111333  
1114444  
1155555  
1666666  
7777777

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12     for (int j = 1; j <= rows-i; j++)
13     {
14         System.out.print(1);
15     }
16     for (int j = 1; j <= i; j++)
17     {
18         System.out.print(i);
19     }
20     System.out.println();
21 }
22 }
23
24
25
26
27
28
29
30
31
32
```

### Pattern 29 :

0000000  
0100000  
0020000  
0003000  
0000400  
0000050  
0000006

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 0; i < rows; i++)
11 {
12     for (int j = 0; j < rows; j++)
13     {
14         if(i == j)
15         {
16             System.out.print(i);
17         }
18         else
19         {
20             System.out.print(0);
21         }
22     }
23     System.out.println();
24 }
25 }
26
27
28
29
30
31
32
33
34
```

### Pattern 30 :

```
1
2 6
3 7 10
4 8 11 13
5 9 12 14 15
```

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 int num = i;
13 for (int j = 1; j <= i; j++)
14 {
15 System.out.print(num+" ");
16 num = num+rows-j;
17 }
18 System.out.println();
19 }
20 sc.close();
21 }
22
23
24
25
26
27
28
29
30
31
```

### Pattern 31 :

```
1
2 3
4 5 6
7 8 9 10
```

### Java Program :

```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 int num = 1;
11
12 for (int i = 1; i <= rows; i++)
13 {
14 for (int j = 1; j <= i; j++)
15 {
16 System.out.print(num+" ");
17
18 num++;
19 }
20 System.out.println();
21 }
22 sc.close();
23 }
24
25
26
27
28
29
30
31
32
33
34
35

```

### Pattern 32 :

```

1 2 3 4
5 6 7
8 9
10

```

### Java Program :



```

1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4      public static void main(String[] args)
5      {
6          Scanner sc = new Scanner(System.in);
7          System.out.println("How many rows you want in this pattern?");
8          int rows = sc.nextInt();
9          System.out.println("Here is your pattern....!!!");
10         int num = 1;
11
12         for (int i = rows; i >= 1; i--)
13         {
14             for (int j = 1; j <= i; j++)
15             {
16                 System.out.print(num+" ");
17                 num++;
18             }
19             System.out.println();
20         }
21         sc.close();
22     }
23 }
24
25
26
27
28
29
30
31
32
33
34
35

```

### Pattern 33 :

```

1
3 2
4 5 6
10 9 8 7
11 12 13 14 15

```

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 int num = 1;
11
12 for (int i = 1; i <= rows; i++)
13 {
14 if(i % 2 == 0)
15 {
16 int value = num + i - 1;
17
18 for (int j = 1; j <= i; j++)
19 {
20 System.out.print(value+" ");
21
22 value--;
23
24 num++;
25 }
26 }
27 else
28 {
29 for (int j = 1; j <= i; j++)
30 {
31 System.out.print(num+" ");
32
33 num++;
34 }
35 }
36 System.out.println();
37 sc.close();
38 }
39 }
40
41
42
43
44
45
46
47
48
49
50
51
```

## Pattern 34 :

```
1
*2*
**3**
***4***
****5****
*****6*****
*****7*****
```

## Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12 for (int j = 1; j <= 2*i-1; j++)
13 {
14 if (i == j)
15 {
16 System.out.print(i);
17 }
18 else
19 {
20 System.out.print("*");
21 }
22 System.out.println();
23 }
24 sc.close();
25 }
26
27
28
29
30
31
32
33
34
35
36
37
38
```

### Pattern 35 :

```
1*****
12*****
123****
1234***
12345**
123456*
1234567
```

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12     for (int j = 1; j <= i; j++)
13     {
14         System.out.print(j);
15     }
16     for (int j = i+1; j <= rows; j++)
17     {
18         System.out.print("*");
19     }
20     System.out.println();
21 }
22 sc.close();
23 }
24
25
26
27
28
29
30
31
32
33
34
35
36
```

### Pattern 36 :

```
*****1
*****12
****123
***1234
**12345
*123456
1234567
```

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12     for (int j = 1; j <= rows-i; j++)
13     {
14         System.out.print("*");
15     }
16     for (int j = 1; j <= i; j++)
17     {
18         System.out.print(j);
19     }
20     System.out.println();
21 }
22 sc.close();
23 }
24
25
26
27
28
29
30
31
32
33
34
35
36
```

### Pattern 37 :

```
1
1*3
1*3*5
1*3*5*7
1*3*5*7*9
1*3*5*7*9*11
1*3*5*7*9*11*13
```

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12     for (int j = 1; j < i*2; j++)
13     {
14         if(j % 2 == 0)
15         {
16             System.out.print("*");
17         }
18         else
19         {
20             System.out.print(j);
21         }
22     }
23     System.out.println();
24 }
25 sc.close();
26 }
27 }
28
29
30
31
32
33
34
35
36
37
38
39
```

### Pattern 38 :

1  
1\*2  
1\*2\*3  
1\*2\*3\*4  
1\*2\*3\*4\*5  
1\*2\*3\*4\*5\*6  
1\*2\*3\*4\*5\*6\*7

**Java Program :**

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 for (int i = 1; i <= rows; i++)
11 {
12     int num = 1;
13
14     for (int j = 1; j < i*2; j++)
15     {
16         if(j % 2 == 0)
17         {
18             System.out.print("*");
19         }
20         else
21         {
22             System.out.print(num);
23
24             num++;
25         }
26     }
27     System.out.println();
28 }
29 sc.close();
30 }
31 }
32
33
34
35
36
37
38
39
40
41
42
43
```

**Pattern 39 :**



1AAAAAA  
12BBBBB  
123CCCC  
1234DDD  
12345EE  
123456F  
1234567

### Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7  System.out.println("How many rows you want in this pattern?");
8  int rows = sc.nextInt();
9  System.out.println("Here is your pattern....!!!");
10 char ch = 'A';
11
12 for (int i = 1; i <= rows; i++)
13 {
14 for (int j = 1; j <= i; j++)
15 {
16 System.out.print(j);
17 }
18 for (int j = i+1; j <= rows; j++)
19 {
20 System.out.print(ch);
21 }
22
23 ch++;
24
25 System.out.println();
26 }
27 sc.close();
28 }
29
30
31
32
33
34
35
36
37
38
39
40
```

## Pattern 40 :

```
1 2 3 4 5 6 7 8 9
2 3 4 5 6 7 8 9 1
3 4 5 6 7 8 9 1 2
4 5 6 7 8 9 1 2 3
5 6 7 8 9 1 2 3 4
6 7 8 9 1 2 3 4 5
7 8 9 1 2 3 4 5 6
8 9 1 2 3 4 5 6 7
9 1 2 3 4 5 6 7 8
```

## Java Program :

```
1  import java.util.Scanner;
2  public class NumberPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17     for (int j = i; j <= rows; j++)
18     {
19         System.out.print(j+" ");
20     }
21     for (int k = 1; k < i; k++)
22     {
23         System.out.print(k+" ");
24     }
25     System.out.println();
26 }
27
28
29 sc.close();
30 }
31 }
32
33
34
35
36
```

### Pattern 41 :

```
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 9
9 8 7 7 7 7 7 7 7 7 7 7 7 7 8 9
9 8 7 6 6 6 6 6 6 6 6 6 6 7 8 9
9 8 7 6 5 5 5 5 5 5 5 5 5 6 7 8 9
9 8 7 6 5 4 4 4 4 4 4 4 5 6 7 8 9
9 8 7 6 5 4 3 3 3 3 3 4 5 6 7 8 9
9 8 7 6 5 4 3 2 2 2 3 4 5 6 7 8 9
9 8 7 6 5 4 3 2 1 2 3 4 5 6 7 8 9
9 8 7 6 5 4 3 2 2 2 3 4 5 6 7 8 9
9 8 7 6 5 4 3 3 3 3 3 4 5 6 7 8 9
9 8 7 6 5 4 4 4 4 4 4 4 5 6 7 8 9
9 8 7 6 5 5 5 5 5 5 5 5 5 6 7 8 9
9 8 7 6 6 6 6 6 6 6 6 6 6 7 8 9
9 8 7 7 7 7 7 7 7 7 7 7 7 7 8 9
9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 9
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
```

### Java Program :

```
1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = rows; i >= 1; i--)
16 {
17 for (int j = rows; j >= i; j--)
18 {
19 System.out.print(j+" ");
20 }
21
22 for (int j = 1; j < (2*i)-1; j++)
23 {
24 System.out.print(i+" ");
25 }
26
27 for (int j = i+1; j <= rows; j++)
28 {
29 System.out.print(j+" ");
30 }
```

```

30
31 System.out.println();
32 }
33
34
35 for (int i = 2; i <= rows; i++)
36 {
37     for (int j = rows; j >= i; j--)
38     {
39         System.out.print(j+" ");
40     }
41     for (int j = 1; j < (2*i)-1; j++)
42     {
43         System.out.print(i+" ");
44     }
45     for (int j = i+1; j <= rows; j++)
46     {
47         System.out.print(j+" ");
48     }
49
50     System.out.println();
51 }
52
53
54 sc.close();
55 }
56 }
57
58
59
60
61
62
63
64
65

```

## Star Pattern Programs In Java :

---

### Pattern 42 :

```

*
* *
* * *
* * * *
* * * * *
* * * * *
* * * * *

```

### Java Program :

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17     for (int j = 1; j <= i; j++)
18     {
19         System.out.print("* ");
20     }
21
22
23 System.out.println();
24 }
25
26
27 sc.close();
28 }
29 }
30
31
32
33
34
35
36
37

```

#### Pattern 43 :

```

* * * * *
 * * * * *
  * * * *
   * * *
    * *
     *

```

#### Java Program :

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = rows; i >= 1; i--)
16 {
17     for (int j = 1; j <= i; j++)
18     {
19         System.out.print("* ");
20     }
21
22     System.out.println();
23 }
24
25
26
27 sc.close();
28 }
29
30
31
32
33
34
35
36
37

```

#### Pattern 44 :

```

      *
     * *
    * * *
   * * * *
  * * * * *
 * * * * *
* * * * *

```

#### Java Program :

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17
18     for (int j = 1; j <= rows-i; j++)
19     {
20         System.out.print(" ");
21     }
22
23
24     for (int j = 1; j <= i; j++)
25     {
26         System.out.print("* ");
27     }
28
29     System.out.println();
30 }
31
32 sc.close();
33 }
34 }
35
36
37
38
39
40
41
42

```

**Pattern 45 :**

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

**Java Program :**



```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = rows; i >= 1; i--)
16 {
17
18     for (int j = 1; j <= rows-i; j++)
19     {
20         System.out.print(" ");
21     }
22
23
24     for (int j = 1; j <= i; j++)
25     {
26         System.out.print("* ");
27     }
28
29     System.out.println();
30 }
31
32
33 sc.close();
34 }
35 }
36
37
38
39
40
41
42
43
44

```

**Pattern 46 :**

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

**Java Program :**

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17
18     for (int j = 2*rows-i; j > i; j--)
19     {
20         System.out.print(" ");
21     }
22
23
24     for (int j = i; j >= 1; j--)
25     {
26         System.out.print("* ");
27     }
28
29     System.out.println();
30 }
31
32
33 sc.close();
34 }
35 }
36
37
38
39
40
41
42
43
44

```

**Pattern 47 :**

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

**Java Program :**

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = rows; i >= 1; i--)
16 {
17
18     for (int j = 2*rows-i; j > i; j--)
19     {
20         System.out.print(" ");
21     }
22
23
24     for (int j = i; j >= 1; j--)
25     {
26         System.out.print("* ");
27     }
28
29     System.out.println();
30 }
31
32
33 sc.close();
34 }
35 }
36
37
38
39
40
41
42
43
44

```

**Pattern 48 :**

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

**Java Program :**

```
1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17 for (int j = 1; j <= i; j++)
18 {
19 System.out.print("* ");
20 }
21
22 System.out.println();
23 }
24
25
26 for (int i = rows-1; i >= 1; i--)
27 {
28 for (int j = 1; j <= i; j++)
29 {
30 System.out.print("* ");
31 }
32
33 System.out.println();
34 }
35
36 sc.close();
37 }
38 }
39
40
41
42
43
44
45
```

**Pattern 49 :**

```

      *
    * *
  * * *
* * * *
* * * * *
* * * * * *
* * * * * * *
* * * * * * *
* * * * *
  * * * *
    * * *
      * *
        *

```

## Java Program :

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17
18 for (int j = 1; j <= rows-i; j++)
19 {
20 System.out.print(" ");
21 }
22
23
24 for (int j = 1; j <= i; j++)
25 {
26 System.out.print("* ");
27 }
28
29 System.out.println();
30 }
31
32 for (int i = rows-1; i >= 1; i--)
33 {
34
35 for (int j = 1; j <= rows-i; j++)
36

```



```

37 {
38 System.out.print(" ");
39 }
40
41
42 for (int j = 1; j <= i; j++)
43 {
44 System.out.print("* ");
45 }
46
47 System.out.println();
48 }
49
50 sc.close();
51 }
52 }
53
54
55
56
57
58
59
60
61
62
63

```

#### Pattern 50 :

```

      *
     * *
    * * *
   * * * *
  * * * * *
 * * * * * *
* * * * * * *
 * * * * * *
  * * * * *
   * * * *
    * * *
     * *
      *
       *

```

#### Java Program :

```

1 import java.util.Scanner;
2 public class StarPatternProgram
3 {
4     public static void main(String[] args)
5     {

```

```

6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15
16 for (int i = 1; i <= rows; i++)
17 {
18     for (int j = 2*rows-i; j > i; j--)
19     {
20         System.out.print(" ");
21     }
22
23
24     for (int j = i; j >= 1; j--)
25     {
26         System.out.print("* ");
27     }
28
29     System.out.println();
30 }
31
32
33 for (int i = rows-1; i >= 1; i--)
34 {
35     for (int j = 2*rows-i; j > i; j--)
36     {
37         System.out.print(" ");
38     }
39
40
41     for (int j = i; j >= 1; j--)
42     {
43         System.out.print("* ");
44     }
45
46     System.out.println();
47 }
48
49
50 sc.close();
51 }
52 }
53
54
55
56
57

```

58  
59  
60  
61  
62  
63

### Pattern 51 :

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

### Java Program :

```
1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15
16 for (int i = rows; i >= 1; i--)
17 {
18     for (int j = 1; j <= rows-i; j++)
19     {
20         System.out.print(" ");
21     }
22
23
24     for (int j = 1; j <= i; j++)
25     {
26         System.out.print("* ");
```

```
27  }
28
29  System.out.println();
30  }
31
32
33  for (int i = 2; i <= rows; i++)
34  {
35      for (int j = 1; j <= rows-i; j++)
36      {
37          System.out.print(" ");
38      }
39
40
41      for (int j = 1; j <= i; j++)
42      {
43          System.out.print("* ");
44      }
45
46      System.out.println();
47  }
48
49
50  sc.close();
51  }
52
53
54
55
56
57
58
59
60
61
62
63
```

**Pattern 52 :**

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

**Java Program :**

```
1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = rows; i >= 1; i--)
16 {
17 for (int j = 1; j <= i; j++)
18 {
19 System.out.print("* ");
20 }
21
22 System.out.println();
23 }
24
25
26 for (int i = 2; i <= rows; i++)
27 {
28 for (int j = 1; j <= i; j++)
29 {
30 System.out.print("* ");
31 }
32
33 System.out.println();
34 }
35
36 sc.close();
37 }
38 }
39
40
41
42
43
44
45
```

**Pattern 53 :**

```

* * * * *
* * * * *
* * * * *
* * * *
* * *
* *
*
* *
* * *
* * * *
* * * *
* * * * *
* * * * *
* * * * *

```

## Java Program :

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = rows; i >= 1; i--)
16 {
17
18 for (int j = 2*rows-i; j > i; j--)
19 {
20 System.out.print(" ");
21 }
22
23
24 for (int j = i; j >= 1; j--)
25 {
26 System.out.print("* ");
27 }
28
29 System.out.println();
30 }
31
32
33 for (int i = 2; i <= rows; i++)
34 {
35
36

```

```

37  for (int j = 2*rows-i; j > i; j--)
38  {
39  System.out.print(" ");
40  }
41
42
43  for (int j = i; j >= 1; j--)
44  {
45  System.out.print("* ");
46  }
47
48  System.out.println();
49  }
50
51
52  sc.close();
53  }
54  }
55
56
57
58
59
60
61
62
63
64
65
66
67

```

#### Pattern 54 :

```

*
* *
*  *
*    *
*      *
*        *
* * * * *

```

#### Java Program :



```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17     for (int j = 1; j <= i; j++)
18     {
19         if(j == 1 || j == i || i == rows)
20         {
21             System.out.print("* ");
22         }
23         else
24         {
25             System.out.print("  ");
26         }
27     }
28     System.out.println();
29 }
30
31 sc.close();
32 }
33 }
34
35
36
37
38

```

#### Pattern 55 :

```

* * * * *
*       *
*     *
*   *
* *
*

```

#### Java Program :

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = rows; i >= 1; i--)
16 {
17 for (int j = 1; j <= i; j++)
18 {
19 if(j == 1 || j == i || i == rows)
20 {
21 System.out.print("* ");
22 }
23 else
24 {
25 System.out.print("  ");
26 }
27
28 System.out.println();
29 }
30
31 sc.close();
32 }
33 }
34
35
36
37
38

```

#### Pattern 56 :

```

* * * * *
*           *
*           *
*           *
*           *
*           *
*           *
* * * * *

```

#### Java Program :

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17 for (int j = 1; j <= rows; j++)
18 {
19 if (i == 1 || j == 1 || j == rows || i == rows)
20 {
21 System.out.print("* ");
22 }
23 else
24 {
25 System.out.print("  ");
26 }
27
28 System.out.println();
29 }
30
31 sc.close();
32 }
33 }
34
35
36
37
38

```

#### Pattern 57 :

```

      *
     * *
    *   *
   *     *
  *       *
 *         *
*           *
* * * * *

```

#### Java Program :

```
1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17     for (int j = 1; j <= rows-i; j++)
18     {
19         System.out.print(" ");
20     }
21     for (int j = 1; j <= i; j++)
22     {
23         if (j == 1 || j == i || i == rows)
24         {
25             System.out.print("* ");
26         }
27         else
28         {
29             System.out.print("  ");
30         }
31     }
32     System.out.println();
33 }
34
35
36 sc.close();
37 }
38
39
40
41
42
43
```

**Pattern 58 :**

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

**Java Program :**

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = rows; i >= 1; i--)
16 {
17 for (int j = 1; j <= rows-i; j++)
18 {
19 System.out.print(" ");
20 }
21 for (int j = 1; j <= i; j++)
22 {
23 if (j == 1 || j == i || i == rows)
24 {
25 System.out.print("* ");
26 }
27 else
28 {
29 System.out.print("  ");
30 }
31 }
32 System.out.println();
33 }
34
35
36 sc.close();
37 }
38 }
39
40
41
42
43

```

**Pattern 59 :**

```

* * * * *
*       *
*     *
*   *   *
* *     *
* *   *
* * *
* * *
* *   *
* *   *
*   *   *
*     *   *
*       *   *
*         *   *
* * * * *

```

### Java Program :

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = rows; i >= 1; i--)
16 {
17 for (int j = 1; j <= rows-i; j++)
18 {
19 System.out.print(" ");
20 }
21
22 for (int j = 1; j <= i; j++)
23 {
24 if (j == 1 || j == i || i == rows)
25 {
26 System.out.print("* ");
27 }
28 else
29 {
30 System.out.print("  ");
31 }
32
33 System.out.println();
34 }
35
36

```

```

37 for (int i = 2; i <= rows; i++)
38 {
39     for (int j = 1; j <= rows-i; j++)
40     {
41         System.out.print(" ");
42     }
43
44     for (int j = 1; j <= i; j++)
45     {
46         if (j == 1 || j == i || i == rows)
47         {
48             System.out.print("* ");
49         }
50         else
51         {
52             System.out.print("  ");
53         }
54     }
55
56     System.out.println();
57 }
58
59 sc.close();
60 }
61
62
63
64
65
66
67
68
69

```

### Pattern 60 :

### Java Program :



```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17 for (int j = 1; j <= rows-i; j++)
18 {
19 System.out.print(" ");
20 }
21
22 for (int j = 1; j <= i; j++)
23 {
24 if (j == 1 || j == i)
25 {
26 System.out.print("* ");
27 }
28 else
29 {
30 System.out.print("  ");
31 }
32
33 System.out.println();
34 }
35
36
37 for (int i = rows-1; i >= 1; i--)
38 {
39 for (int j = 1; j <= rows-i; j++)
40 {
41 System.out.print(" ");
42 }
43
44 for (int j = 1; j <= i; j++)
45 {
46 if (j == 1 || j == i)
47 {
48 System.out.print("* ");
49 }
50 else
51 {
52 System.out.print("  ");
53 }

```

```

53  }
54
55  System.out.println();
56  }
57
58
59  sc.close();
60  }
61  }
62
63
64
65
66
67
68
69

```

### Pattern 61 :

```

      *
    * *
  * * *
* * * *
* * * *
* * * *
* * * *
* * * *

```

### Java Program :

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17     for (int j = 2*rows-i; j > i; j--)
18     {
19         System.out.print(" ");
20     }
21     for (int j = i; j >= 1; j--)
22     {
23         if (j == i || j == 1 || i == rows)
24         {
25             System.out.print("* ");
26         }
27         else
28         {
29             System.out.print("  ");
30         }
31     }
32     System.out.println();
33 }
34
35
36 sc.close();
37 }
38
39
40
41
42
43

```

**Pattern 62 :**

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

**Java Program :**

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = rows; i >= 1; i--)
16 {
17 for (int j = 2*rows-i; j > i; j--)
18 {
19 System.out.print(" ");
20 }
21 for (int j = i; j >= 1; j--)
22 {
23 if (j == i || j == 1 || i == rows)
24 {
25 System.out.print("* ");
26 }
27 else
28 {
29 System.out.print("  ");
30 }
31 }
32 System.out.println();
33 }
34
35
36 sc.close();
37 }
38 }
39
40
41
42
43

```

**Pattern 63 :**

```

*
* *
*  *
*   *
*    *
*   *
*    *
*   *
*  *
* *
*

```

### Java Program :

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17 for (int j = 1; j <= i; j++)
18 {
19 if (j == 1 || j == i)
20 {
21 System.out.print("* ");
22 }
23 else
24 {
25 System.out.print("  ");
26 }
27 }
28 System.out.println();
29 }
30
31
32 for (int i = rows-1; i >= 1; i--)
33 {
34 for (int j = 1; j <= i; j++)
35 {
36 if (j == 1 || j == i)

```

```

37 {
38 System.out.print("* ");
39 }
40 else
41 {
42 System.out.print("  ");
43 }
44
45 System.out.println();
46 }
47
48
49 sc.close();
50 }
51 }
52
53
54
55
56
57
58
59

```

#### Pattern 64 :

```

      *
     * *
    *  *
   *   *
  *    *
 *     *
*      *
 *     *
  *    *
   *   *
    *  *
     * *
      *

```

#### Java Program :

```

1  import java.util.Scanner;
2  public class StarPatternProgram
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");

```

```

10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15
16 for (int i = 1; i <= rows; i++)
17 {
18     for (int j = 2*rows-i; j > i; j--)
19     {
20         System.out.print(" ");
21     }
22     for (int j = i; j >= 1; j--)
23     {
24         if (j == i || j == 1)
25         {
26             System.out.print("* ");
27         }
28         else
29         {
30             System.out.print("  ");
31         }
32     }
33     System.out.println();
34 }
35
36
37 for (int i = rows-1; i >= 1; i--)
38 {
39     for (int j = 2*rows-i; j > i; j--)
40     {
41         System.out.print(" ");
42     }
43     for (int j = i; j >= 1; j--)
44     {
45         if (j == i || j == 1)
46         {
47             System.out.print("* ");
48         }
49         else
50         {
51             System.out.print("  ");
52         }
53     }
54     System.out.println();
55 }
56
57
58 sc.close();
59 }
60 }
61

```



62  
63  
64  
65  
66  
67  
68  
69

### Pattern 65 :

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

### Java Program :

```
1  import java.util.Scanner;
2  public class StarPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 for (int i = 1; i <= rows; i++)
16 {
17 for (int j = 1; j <= i; j++)
18 {
19 System.out.print("* ");
20 }
21
22 for (int j = 1; j <= 2*(rows-i); j++)
23 {
24 System.out.print(" ");
```

```

25 }
26
27 for (int j = 1; j <= i; j++)
28 {
29     System.out.print("* ");
30 }
31
32 System.out.println();
33 }
34
35 for (int i = rows-1; i >= 1; i--)
36 {
37     for (int j = 1; j <= i; j++)
38     {
39         System.out.print("* ");
40     }
41
42     for (int j = 1; j <= 2*(rows-i); j++)
43     {
44         System.out.print("  ");
45     }
46
47     for (int j = 1; j <= i; j++)
48     {
49         System.out.print("* ");
50     }
51
52     System.out.println();
53 }
54
55 sc.close();
56 }
57 }
58
59
60
61
62
63
64
65

```

## Character Pattern Programs In Java :

---

### Pattern 66 :

A  
A B  
A B C  
A B C D  
A B C D E  
A B C D E F  
A B C D E F G

### Java Program :

```
1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 char ch;
16
17 for (int i = 1; i <= rows; i++)
18 {
19     ch = 'A';
20
21     for (int j = 1; j <= i; j++)
22     {
23         System.out.print(ch+" ");
24         ch++;
25     }
26
27     System.out.println();
28 }
29
30 sc.close();
31 }
32 }
33
34
35
36
37
```

### Pattern 67 :

```
Z
Z Y
Z Y X
Z Y X W
Z Y X W V
Z Y X W V U
Z Y X W V U T
```

### Java Program :

```
1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 char ch;
16
17 for (int i = 1; i <= rows; i++)
18 {
19     ch = 'Z';
20
21     for (int j = 1; j <= i; j++)
22     {
23         System.out.print(ch+" ");
24         ch--;
25     }
26
27     System.out.println();
28 }
29
30 sc.close();
31 }
32 }
33
34
35
36
37
```

### Pattern 68 :

```

A
B B
C C C
D D D D
E E E E E
F F F F F F
G G G G G G G

```

### Java Program :

```

1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 char ch = 'A';
16
17 for (int i = 1; i <= rows; i++)
18 {
19     for (int j = 1; j <= i; j++)
20     {
21         System.out.print(ch+" ");
22     }
23     ch++;
24
25     System.out.println();
26 }
27
28
29 sc.close();
30 }
31 }
32
33
34
35

```

### Pattern 69 :

```
A B C D E F G
A B C D E F
A B C D E
A B C D
A B C
A B
A
```

### Java Program :

```
1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8  //Taking rows value from the user
9
10 System.out.println("How many rows you want in this pattern?");
11
12 int rows = sc.nextInt();
13
14 System.out.println("Here is your pattern....!!!");
15
16 char ch;
17
18 for (int i = rows; i >= 1; i--)
19 {
20     ch = 'A';
21     for (int j = 1; j <= i; j++)
22     {
23         System.out.print(ch+" ");
24         ch++;
25     }
26     System.out.println();
27 }
28
29 //Close the resources
30
31 sc.close();
32 }
33 }
34
35
36
37
```

### Pattern 70 :

```
G F E D C B A
G F E D C B
G F E D C
G F E D
G F E
G F
G
```

### Java Program :

```
1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 char ch;
16
17 for (int i = rows; i >= 1; i--)
18 {
19     ch = 'G';
20
21     for (int j = 1; j <= i; j++)
22     {
23         System.out.print(ch+" ");
24
25         ch--;
26     }
27
28     System.out.println();
29 }
30
31 sc.close();
32 }
33
34
35
36
37
```

### Pattern 71 :

```

p q r s t u v
p q r s t u
p q r s t
p q r s
p q r
p q
p

```

### Java Program :

```

1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 char ch;
16
17 for (int i = rows; i >= 1; i--)
18 {
19 ch = 'p';
20
21 for (int j = 1; j <= i; j++)
22 {
23 System.out.print(ch+" ");
24
25 ch++;
26 }
27
28 System.out.println();
29 }
30
31 sc.close();
32 }
33 }
34
35
36
37

```

### Pattern 72 :



```
  A
 A B
A B C
A B C D
A B C D E
A B C D E F
A B C D E F G
```

**Java Program :**

```

1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 char ch;
16
17 for (int i = 1; i <= rows; i++)
18 {
19     ch = 'A';
20
21     for (int j = 1; j <= rows-i; j++)
22     {
23         System.out.print(" ");
24     }
25
26     for (int j = 1; j <= i; j++)
27     {
28         System.out.print(ch+" ");
29     }
30
31     ch++;
32     System.out.println();
33 }
34
35 sc.close();
36 }
37 }
38
39
40
41
42

```

**Pattern 73 :**

```
  A
 B A
C B A
D C B A
E D C B A
F E D C B A
G F E D C B A
```

**Java Program :**

```

1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 char ch = 'A';
16
17 for (int i = 1; i <= rows; i++)
18 {
19     for (int j = 1; j <= rows-i; j++)
20     {
21         System.out.print(" ");
22     }
23     for (int j = 1; j <= i; j++)
24     {
25         System.out.print(ch+" ");
26     }
27     ch--;
28 }
29
30 ch = (char) ((int)'A' + i);
31
32 System.out.println();
33 }
34
35 sc.close();
36 }
37 }
38
39
40
41
42

```

**Pattern 74 :**

```

    Z
  Y Z
X Y Z
W X Y Z
V W X Y Z
U V W X Y Z
T U V W X Y Z

```

**Java Program :**

```

1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 char ch = 'Z';
16
17 for (int i = 1; i <= rows; i++)
18 {
19     for (int j = 1; j <= rows-i; j++)
20     {
21         System.out.print(" ");
22     }
23     for (int j = 1; j <= i; j++)
24     {
25         System.out.print(ch+" ");
26     }
27     ch++;
28 }
29
30 ch = (char) ((int)'Z' - i);
31
32 System.out.println();
33 }
34
35 sc.close();
36 }
37 }
38
39
40
41
42

```

**Pattern 75 :**

```

A B C D E F G
  A B C D E F
    A B C D E
      A B C D
        A B C
          A B
            A
              A B
                A B C
                  A B C D
                    A B C D E
                      A B C D E F
                        A B C D E F G

```

### Java Program :

```

1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 char ch;
16
17 for (int i = rows; i >= 1; i--)
18 {
19 ch = 'A';
20
21 for (int j = 1; j <= i; j++)
22 {
23 System.out.print(ch+" ");
24
25 ch++;
26 }
27
28 System.out.println();
29 }
30
31 for (int i = 2; i <= rows; i++)
32 {
33 ch = 'A';
34
35 for (int j = 1; j <= i; j++)
36

```

```

37 {
38 System.out.print(ch+" ");
39
40 ch++;
41 }
42
43 System.out.println();
44 }
45
46 sc.close();
47 }
48 }
49
50
51
52
53
54
55

```

#### Pattern 76 :

```

A B C D E F G
  A B C D E F
    A B C D E
      A B C D
        A B C
          A B
            A
              A B
                A B C
                  A B C D
                    A B C D E
                      A B C D E F
                        A B C D E F G

```

#### Java Program :

```

1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11  int rows = sc.nextInt();
12
13  System.out.println("Here is your pattern....!!!");

```



```
14
15 char ch;
16
17 for (int i = rows; i >= 1; i--)
18 {
19     ch = 'A';
20
21     for (int j = 2*rows-i; j > i; j--)
22     {
23         System.out.print(" ");
24     }
25
26     for (int j = i; j >= 1; j--)
27     {
28         System.out.print(ch+" ");
29
30         ch++;
31     }
32     System.out.println();
33 }
34
35
36 for (int i = 2; i <= rows; i++)
37 {
38     ch = 'A';
39
40     for (int j = 2*rows-i; j > i; j--)
41     {
42         System.out.print(" ");
43     }
44
45     for (int j = i; j >= 1; j--)
46     {
47         System.out.print(ch+" ");
48
49         ch++;
50     }
51     System.out.println();
52 }
53
54 sc.close();
55 }
56 }
57
58
59
60
61
62
63
64
65
```

## Pattern 77 :

```

    A
  A B
A B C
A B C D
A B C D E
A B C D E F
A B C D E F G
  A B C D E F
    A B C D E
      A B C D
        A B C
          A B
            A
```

## Java Program :

```

1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 char ch;
16
17 for (int i = 1; i <= rows; i++)
18 {
19 ch = 'A';
20
21 for (int j = 1; j <= rows-i; j++)
22 {
23 System.out.print(" ");
24 }
25
26 for (int j = 1; j <= i; j++)
27 {
28 System.out.print(ch+" ");
29
30 ch++;
31 }
32 System.out.println();
33 }
```

```

34
35
36 for (int i = rows-1; i >= 1; i--)
37 {
38     ch='A';
39
40     for (int j = 1; j <= rows-i; j++)
41     {
42         System.out.print(" ");
43     }
44
45     for (int j = 1; j <= i; j++)
46     {
47         System.out.print(ch+" ");
48     }
49     ch++;
50
51     System.out.println();
52 }
53
54
55 sc.close();
56 }
57 }
58
59
60
61
62
63
64
65

```

#### Pattern 78 :

```

A B C D E F G
  A B C D E F
    A B C D E
      A B C D
        A B C
          A B
            A
              A B
                A B C
                  A B C D
                    A B C D E
                      A B C D E F
                        A B C D E F G

```

#### Java Program :

```

1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4      public static void main(String[] args)
5      {
6          Scanner sc = new Scanner(System.in);
7
8          //Taking rows value from the user
9
10         System.out.println("How many rows you want in this pattern?");
11
12         int rows = sc.nextInt();
13
14         System.out.println("Here is your pattern....!!!");
15
16         char ch;
17
18         //Printing upper half of the pattern
19
20         for (int i = rows; i >= 1; i--)
21         {
22             ch='A';
23
24             for (int j = 1; j <= rows-i; j++)
25             {
26                 System.out.print(" ");
27             }
28
29             for (int j = 1; j <= i; j++)
30             {
31                 System.out.print(ch+" ");
32             }
33
34             ch++;
35
36             System.out.println();
37         }
38
39         //Printing lower half of the pattern
40
41         for (int i = 2; i <= rows; i++)
42         {
43             ch='A';
44
45             for (int j = 1; j <= rows-i; j++)
46             {
47                 System.out.print(" ");
48             }
49
50             for (int j = 1; j <= i; j++)
51             {
52                 System.out.print(ch+" ");
53             }
54
55             ch++;
56
57             System.out.println();
58         }
59     }
60 }

```

```

53 System.out.println();
54 }
55
56 //Close the resources
57
58 sc.close();
59 }
60 }
61
62
63
64
65

```

### Pattern 79 :

```

A
A B
A B C
A B C D
A B C D E
A B C D E F
A B C D E F G
A B C D E F
A B C D E
A B C D
A B C
A B
A

```

### Java Program :

```

1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 char ch;
16
17 for (int i = 1; i <= rows; i++)
18 {
19 ch='A';

```

```

20
21 for (int j = 1; j <= i; j++)
22 {
23     System.out.print(ch+" ");
24
25     ch++;
26 }
27
28     System.out.println();
29 }
30
31 for (int i = rows-1; i >= 1; i--)
32 {
33     ch='A';
34
35     for (int j = 1; j <= i; j++)
36     {
37         System.out.print(ch+" ");
38
39         ch++;
40     }
41
42     System.out.println();
43 }
44
45     sc.close();
46 }
47 }
48
49
50
51
52
53
54
55

```

#### Pattern 80 :

```

        A
      A B
    A B C
  A B C D
A B C D E
A B C D E F
A B C D E F G
  A B C D E F
    A B C D E
      A B C D
        A B C
          A B
            A

```

## Java Program :

```
1  import java.util.Scanner;
2  public class CharacterPatternPrograms
3  {
4  public static void main(String[] args)
5  {
6  Scanner sc = new Scanner(System.in);
7
8
9  System.out.println("How many rows you want in this pattern?");
10
11 int rows = sc.nextInt();
12
13 System.out.println("Here is your pattern....!!!");
14
15 char ch;
16
17 for (int i = 1; i <= rows; i++)
18 {
19 ch='A';
20
21 for (int j = 2*rows-i; j > i; j--)
22 {
23 System.out.print(" ");
24 }
25
26 for (int j = i; j >= 1; j--)
27 {
28 System.out.print(ch+" ");
29
30 ch++;
31 }
32 System.out.println();
33 }
34
35
36 for (int i = rows-1; i >= 1; i--)
37 {
38 ch='A';
39
40 for (int j = 2*rows-i; j > i; j--)
41 {
42 System.out.print(" ");
43 }
44
45 for (int j = i; j >= 1; j--)
46 {
47 System.out.print(ch+" ");
48
49 ch++;
50 }
```

```
50
51 System.out.println();
52 }
53
54
55 sc.close();
56 }
57 }
58
59
60
61
62
63
64
65
```

**Also Read :**

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