Patterns

123

456

789

Code :

```
int a[][]= {{1,2,3},{4,5,6},{7,8,9}};
for(int i=0; i<3; i++)
{
        for(int j=0; j<3; j++)
        {
                System.out.print(a[i][j]);
        }
        System.out.println("");
}
```

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

Code :

```java
int a[][]= {{1},{4,5},{7,8,9},{10,11,12}};
for(int i=0; i<a.length; i++)
{
for(int j=0; j<=i; j++)
{
        System.out.print("*");
}
System.out.println("");
```

```
+

--

+++

----
```

Code :

```java
for (int i = 1; i <= 4; i++) {
            if (i % 2 != 0) {
              for (int j = 0; j < i; j++) {
                 System.out.print("+");
               }
               System.out.println();
            } else {
              for (int j = 0; j < i; j++) {
                 System.out.print("-");
               }
               System.out.println("");
             }
            }
```

1

2 3

4 5 6

7 8 9 10

Code :

```java
    int count = 1;
 for (int i = 1; i <= 4; i++) {
   for (int j = 1; j <= i; j++) {
     System.out.print(count + " ");
     count++;
   }
   System.out.println("");
 }
```

Pattern no5:-

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

Code :

```java
for(int i=0;i<=4;i++)
{
    for(int k=0; k<4-i;k++)
    {
    System.out.print(" ");
    }

    for(int j=0;j<=i;j++)
    {
    System.out.print("* ");
    }
    System.out.println();
}
```

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

Code :

```java
for(int i=0;i<=4;i++)
{
        for(int k=0; k<4-i;k++)
        {
        System.out.print(" ");
        }


        for(int j=0;j<=i;j++)
        {
        System.out.print("*");
        }
        System.out.println();
}
```

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

Code :

```
for(int i=3;i>=0;i--)
{
        for(int k=0; k<4-i;k++)
        {
        System.out.print(" ");
        }

        for(int j=0;j<=i;j++)
        {
                System.out.print("* ");
        }
        System.out.println();
}
```

```
* * * * *

 * * *

  *
```

Code :

```
for(int i=5;i>=0;i--)
{
        if (i%2 !=0)
        {
        for(int k=0; k<5-i;k++)
        {
        System.out.print(" ");
        }

        for(int j=0;j<i;j++)
        {
        System.out.print("* ");
        }
        }
```

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

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

Code :

```
        for(int i=1;i<=5;i++){

                for(int j=1;j<=i;j++)
                {
                        System.out.print("* ");
                }
                System.out.println();
```

```java
        }
        for(int i=5;i>=1;i--) {
            for(int j=1;j<=i-1;j++) {
                System.out.print("* ");
            }
            System.out.println();
        }
    }
}
```