

Pattern 01

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

Program:-

```
class p1{

    public static void main(String args[]){

        for(int i=1;i<=5;i++)
        {
            for(int j=1;j<=i;j++)
            {
                System.out.print(j+" ");
            }

            System.out.println();
        }

    }
}
```

Pattern 2

A

A B

A B C

A B C D

A B C D E

Program:-

```
class p2{  
    public static void main(String args[])  
    {  
  
        for(int i=65;i<=69;i++)  
        {  
            for(int j=65;j<=i;j++)  
  
            {  
                System.out.print((char) j+" ");  
            }  
            System.out.println(" ");  
  
        }  
  
    }  
}
```

Pattern 3:-

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

Program:-

```
class p3{  
  
    public static void main(String args[]){  
  
        for(int i=1;i<=5;i++){  
            {  
                for(int j=1;j<=i;j++){  
                    {  
                        System.out.print( "*" + " " );  
                    }  
  
                    System.out.println();  
                }  
  
            }  
  
        }  
    }  
}
```

Pattern 04

1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

Program:-

```
class p4{

    public static void main(String args[]){

        for(int i=1;i<=5;i++)
        {
            for(int j=1;j<=i;j++)
            {
                System.out.print(i+" ");
            }

            System.out.println();
        }

    }

}
```

Pattern 5

A

B B

C C C

D D D D

E E E E E

Program:-

```
class p5{  
    public static void main(String args[])  
    {  
  
        for(int i=65;i<=69;i++)  
        {  
            for(int j=65;j<=i;j++)  
  
            {  
                System.out.print((char) i+" ");  
            }  
            System.out.println(" ");  
  
        }  
  
    }  
}
```

Pattern 6

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

Program:-

```
class p6{
    public static void main(String args[]){
        for(int i=1;i<=5;i++)
        {
            for(int j=4;j>=i;j--)
            {
                System.out.print( " " + " ");
            }

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

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

Pattern 7

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

Program:-

```
class p7{

    public static void main(String args[]){

        for(int i=1;i<=5;i++)
        {
            for(int j=4;j>=i;j--)
            {
                System.out.print( " ");
            }

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

            System.out.println();
        }

    }
}
```

Pattern 8

```
5
4 5
3 4 5
2 3 4 5
1 2 3 4 5
```

Program:-

```
class p8{

    public static void main(String args[]){

        for(int i=5;i>=1;i--)
        {
            for(int j=i;j>1;j--)
            {
                System.out.print( " ");
            }

            for(int j=i;j<=5;j++)
            {
                System.out.print( j+" ");
            }

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


Pattern 9

A

A B

A B C

A B C D

A B C D E

Program:-

```
class p9{

    public static void main(String args[]){

        for(int i=65;i<=69;i++)
        {
            for(int j=69;j>=i;j--)
            {
                System.out.print( " " );
            }

            for(int j=65;j<=i;j++)
            {
                System.out.print( (char)j+" ");
            }

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

Pattern 10

```
E
D E
C D E
B C D E
A B C D E
```

Program:-

```
class p10{

    public static void main(String args[]){

        for(int i=69;i>=65;i--)
        {
            for(int j=i;j>65;j--)
            {
                System.out.print( " " );
            }

            for(int j=i;j<=69;j++)
            {
                System.out.print( (char)j+" ");
            }

            System.out.println();
        }

    }
}
```

Pattern 11

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

Program:-

```
class p11{
    public static void main(String args[]){

        for(int i=1;i<=5;i++)
        {
            for(int j=4;j>=i;j--)
            {
                System.out.print( " " + " ");
            }
            for(int j=1;j<=i;j++)
            {
                System.out.print( " *");
            }
            for(int j=1;j<i;j++)
            {
                System.out.print( " *");
            }
            System.out.println();
        }
    }
}
```

Pattern 12

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```

Program:-

```
class p12{
public static void main(String args[]){

    for(int i=1;i<=5;i++)
    {
        for(int j=4;j>=i;j--)
        {
            System.out.print( " " );
        }

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

Pattern 13

```
A
B B
C C C
D D D D
E E E E E
```

Program:-

```
class p13{

    public static void main(String args[]){

        for(int i=65;i<=69;i++)
        {
            for(int j=69;j>=i;j--)
            {
                System.out.print( " " );
            }

            for(int j=65;j<=i;j++)
            {
                System.out.print( (char)i+" ");
            }

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

Pattern 14

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

Program:-

```
class p14{

    public static void main(String args[]){

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

            System.out.println();
        }

    }

}
```

Pattern 15

5 4 3 2 1

5 4 3 2

5 4 3

5 4

5

Program:-

```
class p15
{

    public static void main(String args[]){

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

            System.out.println();
        }

    }
}
```

Pattern 16

5

5 4

5 4 3

5 4 3 2

5 4 3 2 1

Program:-

```
class p16{

    public static void main(String args[]){

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

            System.out.println();
        }

    }
}
```


Pattern 17

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

Program:-

```
class p17{

    public static void main(String args[]){

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

                System.out.print( c +" ");

                c++;

            }
            System.out.println();
        }

    }
}
```

Pattern 18

A B C D E

A B C D

A B C

A B

A

Program:-

```
class p18{

    public static void main(String args[]){

        for(int i=69;i>=65;i--)
        {
            for(int j=65;j<=i;j++)
            {
                System.out.print((char)j + " ");

            }

            System.out.println();

        }

    }

}
```