Logical Programs Patterns

## 1.Pattern 1

```
    1
   21
  321
 4321
54321
```

```java
public class StarPattern5 {

    public static void main(String[] args) {

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

2.Pattern 2.

```
1
22
333
4444
55555
```

```java
public class starPattern6 {

    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("");
        }
    }
}
```

3.Pattern 3:-

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

```java
public class startPattern7 {

    public static void main(String[] args) {

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

    }
}
```

4.Pattern 4:

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

```java
public class startPattern8 {

    public static void main(String[] args) {

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

}
```

5.Pattern 5:

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

```java
public class StarPattern8 {

    public static void main(String[] args) {

        int i,j,k,l;
        for(i=1;i<=4;i++)
        {
            for(j=1;j<=i;j++)
            {
                System.out.print(" ");
            }
            for(k=4;k>=i;k--)
            {
                System.out.print("*");
            }
            for(l=3;l>=i;l--)
            {
                System.out.print("*");
            }
            System.out.println("");
        }


    }
}
```