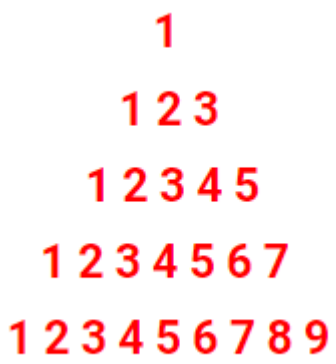
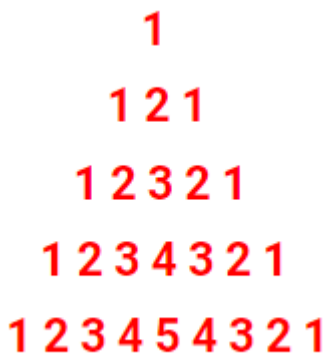
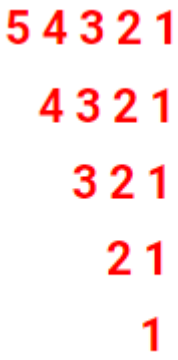



```
public class CharacterPattern
{
   public static void main(String[] args)
   {
      int n= 5;
      for(int i=1; i<=n; i++){
         int p =1;
         for(int j=i; j<=n; j++){
            System.out.print(" ");
         }
         for(int j=1; j<i; j++){
            System.out.print(p++ +" ");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




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


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




```
public class CharacterPattern
{
    public static void main(String[] args)
    {
        int n=5;
        for(int i=1,k=n; i<=n;i++,k--){
           int p=k;
           for(int j=1; j<=i; j++){
              System.out.print(" ");
           }
           for(int j=i; j<=n; j++){
              System.out.print(p - +" ");
           }
           System.out.println();
       }
   }
}
```

```
public class Edureka
{
    public static void pyramidPattern(int n)
    {
        for (int i=0; i<n; i++) //outer loop for number of rows(n) { for
(int j=n-i; j>1; j--) //inner loop for spaces
            {
                System.out.print(" "); //print space
            }
            for (int j=0; j<=i; j++ ) //inner loop for number of columns
            {
                System.out.print("* "); //print star
            }

            System.out.println(); //ending line after each row
        }
    }

    public static void main(String args[]) //driver function
    {
        int n = 5;
        pyramidPattern(n);
    }
}
```

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

```
import java.util.Scanner;
public class Edureka
{
public static void main(String args[])
{
int n, i, j, space = 1;
System.out.print("Enter the number of rows: ");
Scanner s = new Scanner(System.in);
n = s.nextInt();
space = n - 1;
for (j = 1; j<= n; j++)
{
for (i = 1; i<= space; i++)
{
System.out.print(" ");
}
space--;
for (i = 1; i <= 2 * j - 1; i++)
{
System.out.print("*");
}
System.out.println("");
}
space = 1;
for (j = 1; j<= n - 1; j++)
{
for (i = 1; i<= space; i++)
{
System.out.print(" ");
}
space++;
for (i = 1; i<= 2 * (n - j) - 1; i++)
{
System.out.print("*");
}
System.out.println("");
}
}
}
```

```
import java.util.Scanner;
public class Edureka
{
    public static void main(String[] args)
{
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter the number of rows: ");

    int rows = sc.nextInt();
    for (int i= 0; i<= rows-1 ; i++)
    {
        for (int j=0; j<=i; j++)
        {
            System.out.print(" ");
        }
        for (int k=0; k<=rows-1-i; k++)
        {
            System.out.print("*" + " ");
        }
        System.out.println();
    }
    sc.close();

}
}
```

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

```
import java.util.Scanner;
public class Edureka
{
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of rows: ");

        int rows = sc.nextInt();
        for (int i= 0; i<= rows-1 ; i++)
        {
            for (int j=0; j<=i; j++) { System.out.print("*"+ " "); }
System.out.println(""); } for (int i=rows-1; i>=0; i--)
        {
            for(int j=0; j <= i-1;j++)
            {
                System.out.print("*"+ " ");
            }
            System.out.println("");
        }
        sc.close();
    }
}
```

```
import java.util.Scanner;
public class Edureka
{

    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of rows: ");

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

        }
        sc.close();
    }
}
```

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

```
import java.util.Scanner;
public class Edureka
{
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of rows: ");

        int rows = sc.nextInt();
        for (int i= 0; i<= rows-1 ; i++)
        {
            for (int j=0; j <i; j++)
            {
                System.out.print(" ");
            }
            for (int k=i; k<=rows-1; k++) { System.out.print("*" + " "); }
System.out.println(""); } for (int i= rows-1; i>= 0; i--)
        {
            for (int j=0; j< i ;j++)
            {
                System.out.print(" ");
            }
            for (int k=i; k<=rows-1; k++)
            {
                System.out.print("*" + " ");
            }
            System.out.println("");
        }
        sc.close();
    }
}
```

```
import java.util.Scanner;
public class Edureka
{
     public static void main(String[] args)
        {
            Scanner sc = new Scanner(System.in);

            System.out.println("Enter the number of rows: ");

            int rows = sc.nextInt();

            for (int i=1; i<= rows ; i++)
            {
                for (int j = i; j < rows ; j++) {
                    System.out.print(" ");
                }
                for (int k = 1; k <= (2*i -1) ;k++) {
                    if( k==1 || i == rows || k==(2*i-1)) {
                        System.out.print("*");
                    }
                    else {
                        System.out.print(" ");
                    }
                }
                System.out.println("");
            }
            sc.close();
        }
    }
```