EXPERIMENT-1

Aim-4:- Write a program to display “Diamond” pattern

import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

System.out.println("Displaying Input Content.................");

Scanner s=new Scanner(System.in);

System.out.println("Enter an Integer value:");

int a=s.nextInt();

for(int i=0;i<a;i++)

{

for(int j=0;j<a;j++)

{

if(i+j>=a-1)

{

System.out.print("\*");

}

else

{

System.out.print(" ");

}

if (j==a-1)

{

for (int k=0;k<a;k++)

{

if(i>=k)

{

System.out.print("\*");

}

else

{

System.out.print(" ");

}

}

}

else{

continue;

}

}

System.out.println("");

}

for(int i=0;i<a;i++)

{

for(int j=0;j<a;j++)

{

if(i<=j)

{

System.out.print("\*");

}

else

{

System.out.print(" ");

}

if (j==a-1)

{

for (int k=0;k<a;k++)

{

if(i+k<=a-1)

{

System.out.print("\*");

}

else

{

System.out.print(" ");

}

}

}

else{

continue;

}

}

System.out.println("");

}

}

}