**1.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n,i,j;

Scanner Sc=new Scanner(System.in);

System.out.println("enter a no");

n=Sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=i;j++)

{

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

}

System.out.println();

}

}

}

**2.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n,i,j;

Scanner Sc=new Scanner(System.in);

System.out.println("enter n");

n=Sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=i;j++)

{

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

}

System.out.println();

}

}

}

**3.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n,i,j;

Scanner Sc=new Scanner(System.in);

System.out.println("enter n");

n=Sc.nextInt();

for(i=0;i<=n;i++)

{

for(j=0;j<=i;j++)

{

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

}

System.out.println();

}

}

}

**4.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n,i,j;

Scanner Sc=new Scanner(System.in);

System.out.println("enter n");

n=Sc.nextInt();

for(i=0;i<=n;i++)

{

for(j=0;j<=i;j++)

{

System.out.print("@");

}

System.out.println();

}

}

}

**5.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n,k,i,j;

Scanner Sc=new Scanner(System.in);

System.out.println("enter no");

k=Sc.nextInt();

for(i=0;i<=4;i++)

{

for(j=1;j<i+1;j++)

{

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

}

System.out.println();

}

}

}

**6.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n,k=1,i,j;

Scanner Sc=new Scanner(System.in);

System.out.println("enter no");

n=Sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=i;j++)

{

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

k=k+2;

}

System.out.println();

}

}

}

**7.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n,i,j,ch=64;

Scanner Sc=new Scanner(System.in);

System.out.println("enter n");

n=Sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=i;j++)

{

System.out.print((char)(ch+j)+"") ;

}

System.out.println();

}

}

}

**8.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n,i,j,ch=65;

Scanner Sc=new Scanner(System.in);

System.out.println("enter n");

n=Sc.nextInt();

for(i=0;i<=4;i++)

{

for(j=0;j<=i;j++)

{

System.out.print((char)(ch+j)+"") ;

}

System.out.println();

}

}

}

**9.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n,i,j,ch=96;

Scanner Sc=new Scanner(System.in);

System.out.println("enter n");

n=Sc.nextInt();

for(i=1;i<=4;i++)

{

for(j=1;j<=i;j++)

{

System.out.print((char)(ch+j)+"") ;

}

System.out.println();

}

}

}

**10.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n,i,j,ch=96;

Scanner Sc=new Scanner(System.in);

System.out.println("enter n");

n=Sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=i;j++)

{

System.out.print((char)(ch+i)+"") ;

}

System.out.println();

}

}

}

**11.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n,ch=65;

Scanner Sc=new Scanner(System.in);

System.out.println("enter n");

n=Sc.nextInt();

for(int i=1;i<=n;i++)

{

for(int j=1;j<=i;j++)

{

System.out.print((char)ch++) ;

}

System.out.println();

}

}

}

**12.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int i,j,n;

char ch='a';

Scanner Sc=new Scanner(System.in);

System.out.println("enter no");

n=Sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=i;j++)

{

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

ch++;

}

System.out.println();

}

}

}

**13.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int i,j,n;

int ch=64,c=96;

Scanner Sc=new Scanner(System.in);

System.out.println("enter no");

n=Sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=i;j++)

{

System.out.print(""+(char)(ch+j)+(char)(c+j));

}

System.out.println();

}

}

}

**14.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i,j,n;

Scanner sc=new Scanner(System.in);

System.out.println("Enter a number:");

n=sc.nextInt();

for(i=n;i>=1;i--)

{

for(j=1;j<=i;j++)

{

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

}

System.out.println();

}

}

}

**15.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int i,j,n;

Scanner Sc=new Scanner(System.in);

System.out.println("enter no");

n=Sc.nextInt();

for(i=n;i>=1;i--)

{

for(j=1;j<=i;j++)

{

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

}

System.out.println();

}

}

}

**16.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int i,j,n;

Scanner Sc=new Scanner(System.in);

System.out.println("enter no");

n=Sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=n;j++)

{

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

}

System.out.println();

}

}

}

**17.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i, j, n;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number:");

n = sc.nextInt();

for(i = n; i >= 1; i--) {

for(j = 1; j <= i; j++) {

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

}

System.out.println();

}

for(i = 2; i <= n; i++) {

for(j = 1; j <= i; j++) {

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

}

System.out.println();

}

}

}

**18.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n;

Scanner Sc=new Scanner(System.in);

System.out.println("enter n");

n=Sc.nextInt();

for(int i=1;i<=n;i++)

{

for(int j=1;j<=i;j++)

{

if(j%2==1)

{

System.out.print("1");

}

else

{

System.out.print("0");

}

}

System.out.println();

}

}

}

**19.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int n;

Scanner Sc=new Scanner(System.in);

System.out.println("enter n");

n=Sc.nextInt();

for(int i=1;i<=n;i++)

{

for(int j=1;j<=i;j++)

{

if(i%2==1)

{

System.out.print("1");

}

else

{

System.out.print("0");

}

}

System.out.println();

}

}

}

**20.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i,j,n;

Scanner sc=new Scanner(System.in);

System.out.println("Enter a number:");

n=sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=n;j++)

{

if((i+j)%2==0)

{

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

}

else {

System.out.print("# ");

}

}

System.out.println();

}

}

}

**21.**

import java.util.\*;

public class Main

{

public static void main(String []args)

{

int i,j,n,k;

Scanner Sc=new Scanner(System.in);

System.out.println("enter n");

n=Sc.nextInt();

for( i=1;i<=n;i++)

{

for( k=n-i;k>1;k--)

{

System.out.print(" ");

}

for(j=1;j<=i;j++)

{

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

}

System.out.println() ;

}

}

}

**22.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i, j, n, k;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number:");

n = sc.nextInt();

for (i = n; i >= 1; i--) {

for (k = n; k > i; k--) {

System.out.print(" ");

}

for (j = 1; j <= i; j++) {

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

}

System.out.println();

}

}

}

**23.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i, j, n,k;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number:");

n = sc.nextInt();

for (i = 1; i <= n; i++) {

for (j = 1; j <= n - i; j++) {

System.out.print(" ");

}

for (k = 1; k <= i; k++) {

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

}

System.out.println();

}

for (i = n - 1; i >= 1; i--) {

for (k = 1; k <= n - i; k++) {

System.out.print(" ");

}

for (j = 1; j <= i; j++) {

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

}

System.out.println();

}

}

}

**24.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i, j, n,k;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number:");

n = sc.nextInt();

for (i = n ; i >= 1; i--) {

for (k = 1; k <= n - i; k++) {

System.out.print(" ");

}

for (j = 1; j <= i; j++) {

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

}

System.out.println();

}

for (i = 2; i <= n; i++) {

for (j = 1; j <= n - i; j++) {

System.out.print(" ");

}

for (k = 1; k <= i; k++) {

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

}

System.out.println();

}

}

}

**25.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i,j,n,k;

Scanner sc=new Scanner(System.in);

System.out.println("Enter a number:");

n=sc.nextInt();

for(i=1;i<=n;i++)

{

for(k=n;k>i;k--)

{

System.out.print(" ");

}

for(j=1;j<=i;j++)

{

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

}

System.out.println();

}

}

}

**26.**

import java.util.\*;

public class Main

{

public static void main(String[] args)

{

int i,j,n,k;

Scanner sc=new Scanner(System.in);

System.out.println("Enter a number:");

n=sc.nextInt();

for(i=n;i>=1;i--)

{

for(k=n;k>i;k--)

{

System.out.print(" ");

}

for(j=1;j<=i;j++)

{

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

}

System.out.println();

}

}

}

**27.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i,j,n,k;

Scanner sc=new Scanner(System.in);

System.out.println("Enter a number:");

n=sc.nextInt();

for(i=1;i<=n;i++)

{

for(k=n;k>i;k--)

{

System.out.print(" ");

}

for(j=1;j<=i;j++)

{

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

}

System.out.println();

}

for(i=n-1;i>=1;i--)

{

for(k=n;k>i;k--)

{

System.out.print(" ");

}

for(j=1;j<=i;j++)

{

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

}

System.out.println();

}

}

}

**28.**

import java.util.\*;

public class Main

{

public static void main(String[]args)

{

int n=5;

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

{

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

{

if(i==n/2 || j==n/2)

{

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

}

else

{

System.out.print("");

}

}

System.out.println();

}

}

}

**29.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int n, i, j;

Scanner sc = new Scanner(System.in);

System.out.println("Enter number:");

n = sc.nextInt();

for (i = 1; i <= n; i++)

{

for (j = 1; j <= n + 1; j++)

{

if ((i == 1 && j == 1) || (i == 1 && j == n + 1) || (i == n && j == 1) || (i == n && j == n + 1))

{

System.out.print(" ");

} else if (j == 1 || j == n + 1)

{

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

} else if (i == 1 || i == n)

{

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

} else {

System.out.print((j - 1) + " ");

}

}

System.out.println();

}

}

}

**30.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println("Enter row and col");

int row = sc.nextInt();

int col = sc.nextInt();

for (int i = 1; i <= row; i++) {

for (int j = 1 ; j <= col; j++)

if((i==1 || i==col) || (j==1 || j==col))

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

else

System.out.print(" ");

System.out.println();

}

}

}

**31.**

import java.util.\*;

public class Main

{

public static void main(String[] args)

{

int i, j, n;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number");

n = sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=n;j++)

{

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

}

System.out.println();

}

}

}

**32.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i, j, n;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number");

n = sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=i;j++)

{

if(i>=2 && j<=i-1)

{

System.out.print(" ");

}

else

{

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

}

}

System.out.println();

}

}

}

**33.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i, j, n;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number");

n = sc.nextInt();

for(i=n;i>=1;i--)

{

for(j=1;j<=i;j++)

{

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

}

System.out.println();

}

}

}

**34.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i, j, n;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number");

n = sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=n;j++)

{

if(i+j == n+1)

{

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

}

else

{

System.out.print(" ");

}

}

System.out.println();

}

}

}

**35.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i, j, n;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number");

n = sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=i;j++)

{

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

}

System.out.println();

}

}

}

**36.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int n = 5;

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

{

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

{

if (i == j)

{

System.out.print(" ");

} else {

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

}

}

System.out.println();

}

}

}

**37.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i,j,n;

Scanner sc=new Scanner(System.in);

System.out.println("Enter no:");

n=sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=n;j++)

{

if(i+j<=n+1)

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

else

System.out.print(" ");

}

for(j=1;j<=n;j++)

{

if(i+j<=n+1)

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

else

System.out.print(" ");

}

System.out.println();

}

}

}

**38.**

import java.util.\*;

public class Main

{

public static void main(String[] args)

{

int i,j,n;

Scanner sc=new Scanner(System.in);

System.out.println("enter no");

n=sc.nextInt();

for(i=1;i<=n;i++)

{

for(j=1;j<=n;j++)

{

if(i+j<=n+1)

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

else

System.out.print(" ");

}

for(j=1;j<=n;j++)

{

if(i+j<=n+1)

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

else

System.out.print(" ");

}

System.out.println();

}

for(i=1;i<=n;i++)

{

for(j=1;j<=n;j++)

{

if(i+j<=n+1)

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

else

System.out.print(" ");

}

for(j=1;j<=n;j++)

{

if(i+j<=n+1)

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

else

System.out.print(" ");

}

System.out.println();

}

}

}

**39.**

import java.util.\*;

public class Main

{

public static void main(String[] args)

{

int i, j, n;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number");

n = sc.nextInt();

for (i = 1; i <= n; i++)

{

for (j = 1; j <= n; j++)

{

if (i >= j)

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

else

System.out.print(" ");

}

for (j = 1; j <= n; j++)

{

if (i + j >= n + 1)

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

else

System.out.print(" ");

}

System.out.println();

}

for (i = 1; i <= n; i++)

{

for (j = 1; j <= n; j++)

{

if (i + j <= n + 1)

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

else

System.out.print(" ");

}

for (j = 1; j <= n; j++)

{

if (i <= j)

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

else

System.out.print(" ");

}

System.out.println();

}

}

}

**40.**

import java.util.\*;

public class Main

{

public static void main(String args[])

{

for(int i=1; i<=10; i++)

{

for(int j=1; j<=10-i; j++)

{

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

}

for(int k=1; k<=2\*i-2; k++)

{

System.out.print(" ");

}

for(int j=1; j<=10-i; j++)

{

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

}

System.out.println();

}

for(int i=1; i<=10; i++)

{

for(int j=1; j<i; j++)

{

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

}

for(int k=1; k<=20-2\*i; k++)

{

System.out.print(" ");

}

for(int j=1; j<i; j++)

{

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

}

System.out.println();

}

}

}

**41.**

import java.util.\*;

public class Main

{

public static void main(String args[])

{

int n,i,j;

Scanner Sc=new Scanner(System.in);

n=Sc.nextInt();

for (i=0; i<n; i++)

{ for (j=n-i; j>1; j--)

{

System.out.print(" ");

}

for ( j=0; j<=i; j++ )

{

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

}

System.out.println();

}

}

{

int n = 5;

}

}

**42.**

import java.util.\*;

public class Main

{

public static void main(String args[])

{

int n,i,j;

Scanner Sc=new Scanner(System.in);

n=Sc.nextInt();

for(i=0; i<n; i++)

{ for(j=2\*(n-i); j>=0; j--)

{

System.out.print(" ");

}

for(j=0; j<=i; j++)

{

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

}

System.out.println();

}

}

{

int n = 5;

}

}

**43.**

import java.util.\*;

public class Main

{

public static void main(String args[])

{

int n,i,j;

Scanner Sc=new Scanner(System.in);

n=Sc.nextInt();

for(i=0; i<n; i++)

{ for(j=2\*(n-i); j>=0; j--)

{

System.out.print(" ");

}

for(j=0; j<=i; j++)

{

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

}

System.out.println();

}

}

{

int n = 5;

}

}

**44.**

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("");

}

}

}

**45.**

import java.util.Scanner;

public class Main

{

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= rows-1; i>=0 ; i--)

{

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

{

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

}

System.out.println();

}

sc.close();

}

}

**46.**

import java.util.\*;

public class mAIN

{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

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

int rows = sc.nextInt();

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

{

for (int j=1; j<=rows-i; j++)

{

System.out.print(" ");

}

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

{

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

}

System.out.println("");

}

sc.close();

}

}

**47.**

import java.util.\*;

public class Main

{

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();

}

}

**48.**

import java.util.\*;

public class Main

{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

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

int rows = sc.nextInt();

for (int i= rows; i>= 1; i--)

{

for (int j=rows; j>i;j--)

{

System.out.print(" ");

}

for (int k=1;k<=i;k++)

{

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

}

System.out.println("");

}

sc.close();

}

}

**49.**

import java.util.\*;

public class Main

{

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();

}

}

**50.**

import java.util.\*;

public class Main

{

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();

}

}

**51.**

import java.util.\*;

public class Main

{

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();

}

}

**52.**

**53.**

import java.util.\*;

public class Main

{

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();

}

}

**54.**

import java.util.\*;

public class Main

{

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=rows; i>= 1 ; 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();

}

}

**55.**

import java.util.\*;

public class Main

{

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 = rows; j > i ; j--) {

System.out.print(" ");

}

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

for (int k = 1; k < 2\*(i -1) ;k++) { System.out.print(" "); } if( i==1) { System.out.println(""); } else { System.out.println("\*"); } } for (int i=rows-1; i>= 1 ; i--)

{

for (int j = rows; j > i ; j--) {

System.out.print(" ");

}

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

for (int k = 1; k < 2\*(i -1) ;k++) {

System.out.print(" ");

}

if( i==1)

System.out.println("");

else

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

}

sc.close();

}

}

**56.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int i, j,sum=0,f1, n;

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number:");

n = sc.nextInt();

for(i = 1; i <= n; i++)

{

f1=1;

for(j = 1; j <= i; j++)

{

f1=f1\*j;

}

sum=sum+f1;

}

System.out.println("sum is "+sum);

}

}

**57.**

import java.util.\*;

public class Main

{

public static void main(String[] args)

{

int i, j,sum=0,f1,n,x;

Scanner sc = new Scanner(System.in);

System.out.println("Enter value of x:");

x = sc.nextInt();

System.out.println("Enter value of n:");

n = sc.nextInt();

for(i = 1; i <= n; i++)

{

f1=1;

for(j = 1; j <= i; j++)

{

f1=f1\*x;

}

sum=sum+f1;

}

System.out.println("sum is "+sum);

}

}

**58.**

import java.util.\*;

public class Main

{

public static void main(String[] args)

{

int i, j,sum=0,f1,n;

Scanner sc = new Scanner(System.in);

System.out.println("Enter value of n:");

n = sc.nextInt();

for(i = 1; i <= n; i++)

{

f1=1;

for(j = 1; j <= i; j++)

{

f1=f1\*i;

}

sum=sum+f1;

}

System.out.println("sum is "+sum);

}

}

**59.**

import java.util.\*;

public class Main

{

public static void main(String[] args)

{

int i, j, sum = 0, f1, f2, n, x;

Scanner sc = new Scanner(System.in);

System.out.println("Enter value of x:");

x = sc.nextInt();

System.out.println("Enter value of n:");

n = sc.nextInt();

for (i = 1; i <= n; i++)

{

f1 = 1;

f2 = 1;

for (j = i; j > i; j--)

{

f1 = f1 \* j;

}

for (j = 1; j <= i; j++)

{

f2 = f2 \* x;

}

sum = sum + (f2 / f1);

}

System.out.println("sum is " + sum);

}

}

|  |
| --- |
|  |

}