1.Number increasing reverse pyramid:

public class Patterns {

public static void main(String[] args) {

int row=4;

int column=5;

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

{

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

{

if(j<=column-i)

{

System.out.print(j);

}

else

{

System.out.print(".");

}

}

System.out.println("");

}

}

}

Output:



2.Number changing pyramid:

public class Nochangepyramid

{

public static void main(String[] args)

{

int row =4;

int column=4;

int k=1;

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

{

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

{

if(j<=i)

{

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

k++;

}

else

{

System.out.print(".");

}

}

System.out.println("");

}

}

}

Output:



3.Number increasing pyramid:

public class Noincreasingpyr {

public static void main(String[] args) {

int row=4;

int column=4;

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

{

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

{

if(j<=i)

{

System.out.print(j);

}

else

{

System.out.print(".");

}

}

System.out.println("");

}

}

}

Output:



4.Number triangular:

public class Notriangular {

public static void main(String[] args) {

int row=4;

int column=4;

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

{

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

{

if(j<=column-i)

{

System.out.print(".");

}

else

{

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

}

}

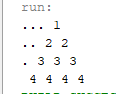
System.out.println("");

}

}

}

Output:



5.square hollow pattern:

import java.util.\*;

public class Squarehollow {

public static void main(String[] args) {

int row =5;

int column=5;

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

{

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

{

if(i==1||i==row||j==1||j==column)

{

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

}

else

{

System.out.print(" ");

}

}

System.out.println(" ");

}

}

}

Output:



6.Zero and one triangle:

import java.util.\*;

public class Zeroonetriangle {

public static void main(String[] args) {

int row =5;

int col=5;

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

{

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

{

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

{

System.out.print("0");

}

else

{

System.out.print("1");

}

}

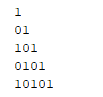
System.out.println(" ");

}

}

}

Output:



7.Square fill pattern:

import java.util.\*;

public class Squarefill {

public static void main(String[] args) {

int row=5;

int col=5;

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

{

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

{

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

}

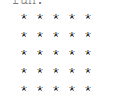
System.out.println(" ");

}

}

}

Output:



8.Right half pyramid:

import java.util.\*;

public class Righthalfpyr {

public static void main(String[] args) {

int row =5;

int col=5;

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

{

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

{

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

}

System.out.println(" ");

}

}

}

Output:



9.Reverse right half pyramid:

import java.util.\*;

public class Reverserighthalf {

public static void main(String[] args) {

int row=5;

int col=5;

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

{

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

{

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

}

System.out.println("");

}

}

}

Output:



10.Left Halg pyramid:

import java.util.\*;

public class Lefthalfpyr {

public static void main(String[] args) {

int row =5;

int col=5;

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

{

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

{

if(j<=col-i)

{

System.out.print(".");//space

}

else

{

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

}

}

System.out.println(" ");

}

}

}

Output:



11.Reverse Left Half pyramid:

public class Reverselefthalf {

public static void main(String[] args) {

int n=5;

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

{

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

{

System.out.print(" ");

}

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

{

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

}

System.out.println("");

}

}

}

Output:



12. Palindrome triangle:

public class pp {

    public static void main(String[] args) {

        int r=4;

        int c=4;

        for(int i=1;i<=r;i++)

        {

            for(int j=1;j<=c;j++)

            {

              if(j<=c-i)

              {

                  System.out.print(" ");

              }

            }

            for(int k=i;k>=1;k--){

            System.out.print(k);

        }

            for(int q=2;q<=c;q++)

            {

                if(q<=i)

                {

                    System.out.print(q);

                }

            }

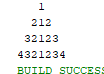
            System.out.println(" ");

        }

    }

}

Output:



13.Rhombus:

public class Rombus {

    public static void main(String[] args) {

        int r=4;

        int c=4;

        for(int i=1;i<=r;i++)

        {

            for(int j=1;j<=c;j++)

            {

               if(i>j)

               {

                   System.out.print(" ");

               }

            }

            for(int k=1;k<=c;k++)

            {

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

            }

            System.out.println(" ");

        }

    }

}

Output:



14.

import java.util.\*;

public class Reversenop {

public static void main(String[] args) {

int row=5;

int col=5;

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

{

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

{

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

}

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

{

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

}

System.out.println(" ");

}

}

}

Output:

