1. Butterfly series

public class Butterfly {

public static void main(String[]args)

{

int n=4;

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

int star = i;

int space = 2 \* (n - i);

for (int j = 1; j <= star; j++) {

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

}

for (int j = 1; j <= space; j++) {

System.out.print(" ");

}

for (int j = 1; j <= star; j++) {

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

}

System.out.println("");

}

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

{

int star=i;

int space=2\*(n-i);

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

{

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

}

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

{

System.out.print(" ");

}

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

{

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

}

System.out.println("");

}

}

}

output:

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1. pattern

public class main

{

public static void main(String[]args)

{

int n=8;

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

{

if(i<=3)

{

System.out.print(" ");

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

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

System.out.println(" ");

}

else if (i==4)

{

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

}

else if(i==5)

{

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

}

else

{

System.out.print(" ");

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

{

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

}

System.out.println("");

}

}

}

}

output:

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