

Porocilo vaje07

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1.

```
public class Vaja01
{
    public static void main(int N){
        int i=0;
        while(i<N){
            System.out.print(N);
            i++;
        }
    }
}
```

2.

```
public class Vaja02
{
    public static void main(int N){
        int x =N;
        int j=0;
        while(x>0){
            j=N;
            while(j>0){
                System.out.print(N);
                j--;
            }
            x--;
            System.out.println();
        }
    }
}
```

3.

```
public class Vaja03
{
    public static void main(int N){
        int x= N;

        while(N>1){
            int z =(x-N);
            while(z>0){
                System.out.print(" ");
                z--;
            }
            int j=N;
            while( j>0){
                System.out.print(j);
                j--;
            }
            System.out.println();
            N--;
        }
    }
}
```

```

import java.lang.Math.*;

public class Vaja04
{
    public static void main(int N){
        int x =N;
        int count = 0;
        while(x/10 > 0){
            count++;
            x/=10;
        }
        count=(int)Math.pow(10, count);
        while(N>0){
            System.out.println(N/count);
            N%=count;
            count/=10;
        }
    }
}

```

5.

```

public class Vaja01 {
    public static void main(int N) {
        for (int i = 0; i < N; i++) {
            System.out.print(N);
        }
    }
}

```

```

public class Vaja02
{
    public static void main(int N){

        for (int x = N; x > 0; x--) {
            for (int j = N; j > 0; j--) {
                System.out.print(N);
            }
            System.out.println();
        }
    }
}

```

```

public class Vaja03
{
    public static void main(int N){
        int x = N;

        for (int i = N; i > 1; i--) {
            for (int z = 0; z < (x - i); z++) {
                System.out.print(" ");
            }

            for (int j = i; j > 0; j--) {
                System.out.print(j);
            }

            System.out.println();
        }
    }
}

```


```
import java.lang.Math.*;

public class Vaja04
{
    public static void main(int N) {
        int x = N;
        int count = 0;

        // First while loop replaced with a for loop
        for (; x / 10 > 0; x /= 10) {
            count++;
        }

        count = (int) Math.pow(10, count);

        // Second while loop replaced with a for loop
        for (; N > 0; count /= 10) {
            System.out.println(N / count);
            N %= count;
        }
    }
}
```



6.

```
public class Vaja06
{
    public static void main(int n){
        int x =n;
        for(int i = 0; i<x; i++){
            for(int j = 0; j<n; j++){
                System.out.print(j + " ");
            }
            System.out.println();
            n--;
        }
    }
}
```

```
public class Vaja07
{
    public static void main(int n){
        int x =n;
        for(int i = 0; i<=x; i++){
            for(int z = x-(n-1); z>=0; z--){
                System.out.print(" ");
            }
            for(int j = n-1; j>-1; j--){
                System.out.print(j + " ");
            }
            System.out.println();
            n--;
        }
    }
}
```

```

public class Vaja07
{
    public static void main(int n){
        int x = n;
        for(int i = 0; i<n; i++){
            for(int z=(n-i - 1); z>0; z--){
                System.out.print(" ");
            }
            for(int j=i; j>=0; j--){
                System.out.print(j);
            }

            System.out.println();
        }
    }
}

```

9.

```

public class Vaja09
{
    public static void main(int n){
        int x = n;
        for(int i = 0; i<n; i++){
            for(int j=0; j<=i; j++){
                System.out.print(j + " ");
            }

            System.out.println();
        }
    }
}

```


10.

```
public class Vaja10
{
    public static void main(String args[]){
        int n = 6;
        for(int i = 0; i<n; i++){
            for(int z=(n-i - 1); z>0; z--){
                System.out.print(" ");
            }
            for(int j=i; j>=0; j--){
                System.out.print(j + " ");
            }
            for(int j=0; j<=i; j++){
                System.out.print(j + " ");
            }

            System.out.println();
        }
        int x =n;
        for(int i = 0; i<x; i++){
            for(int z = x-(n + 1); z>=0; z--){
                System.out.print(" ");
            }
            for(int j = n-1; j>=0; j--){
                System.out.print(j + " ");
            }
            for(int c = 0; c<n; c++){
                System.out.print(c + " ");
            }
            System.out.println();
            n--;
        }
    }
}
```

11.

```

public class Vaja11
{
    public static void main(String args[]){
        int n = 6;
        for(int i = 0; i<n; i++){
            for(int z=(n-i - 1); z>0; z--){
                System.out.print(" ");
            }
            for(int j=i; j>=0; j--){
                System.out.print(j + " ");
            }
            for(int j=1; j<=i; j++){
                System.out.print(j + " ");
            }

            System.out.println();
        }
        int x =n;
        for(int i = 0; i<x; i++){
            for(int z = x-(n ); z>=0; z--){
                System.out.print(" ");
            }
            for(int j = n-2; j>=0; j--){
                System.out.print(j + " ");
            }
            for(int c =1; c<n-1; c++){
                System.out.print(c + " ");
            }
            System.out.println();
            n--;
        }
    }
}

```

```

public class Vaja12
{
    public static void main(String args[]){
        int n = 6;
        for(int i = 0; i<n; i++){
            for(int z=(n-i - 1); z>0; z--){
                System.out.print(" ");
            }
            boolean temp = true;
            for(int j=i; j>=0; j--){
                System.out.print(temp? j + " " : " ");
                temp=false;
            }

            for(int j=1; j<=i; j++){
                System.out.print(j==i ? j + " " : " ");
            }
            System.out.println();
        }

        int x =n;
        for(int i = 0; i<x; i++){
            boolean temp = true;
            for(int z = x-(n ); z>=0; z--){
                System.out.print(" ");
            }
            for(int j = n-2; j>=0; j--){
                System.out.print(temp? j + " " : " ");
                temp=false;
            }
            for(int c =1; c<n -1; c++){
                System.out.print(c==n-2?c + " " : " ");
            }
            System.out.println();
            n--;
        }
    }
}

```