

Problema 1:

```
package Problem;
public class StanislavRusu {
    public static void main(String[] args) {
        int a=0;
        int M;
        int Count=0;
        int S=0;
        while (S<=1000) {
            S=S+a;
            a++;
            Count++;
        }
        if (S>=1000) {
            //S=S-a;
            M=S/Count;
            System.out.print("Media aritmetica a sumei este: ");
            System.out.println(M);
        }
    }
}
```

Compilare:

```
<terminated> StanislavRusu [Java Application] C:\Program Fil
Media aritmetica a sumei este: 22
```

Problema 2:

```
package Problem;
public class RusuStanislav_For_While_DoWhile {
    public static void main(String[] args) {
        int i=5;
        do {
            int j=1;
            do{
                System.out.print(i);
                j++;} while (j<=i);
            System.out.println();
            i--;
        }while (1<=i);
    }
}
```

Compilare:

<terminated> Piramida [Java Application] C:\Program

```
55555
4444
333
22
1
```

Problema 3:

```
package Problem;

import java.util.Scanner;

public class RusuStanislavProblema3 {

    public static void main(String[] args) {
        Scanner sc= new Scanner(System.in);
        System.out.print("Introduceti n= ");
        int n1 = sc.nextInt();
        int S1=0,S2=0,S3=0;
        S1=S1+(n1*n1*n1);
        S2=(S2+n1)*(n1*n1);
        for (int b=1;b<=n1;b++){
            S1=S1+n1*n1*n1;
            S2=(S2+n1);
            S3=S2*S2;
        }

        System.out.print("S1= ");
        System.out.println(S1);
        System.out.print("S3= ");
        System.out.println(S3);
        if (S1==S3) {
            System.out.println("S1=S3");
        } else {
            if (S1<S2) {
                System.out.println("S3>S1");
            } else{
                System.out.println("S1>S3");
            }
        }
    }
}
```

Compilare:

<terminated> RusuStanislavProblema3 [Jav

Introduceti n= 3

S1= 108

S2= 1296

S1>S3