OpalcuGabriela_ForWhileDoWhile

1)
```
import java.util.Scanner;
public class problems {
public static void main(String[] args) {
  int n = 0;
  int sum = 0;
  Scanner sc = new Scanner(System.in);
  while (sum < 1000) {
   System.out.println("Input number:");
   sum += sc.nextInt();
   n += 1;
  }
  double med = (sum / n);
  System.out.println("=========");
  System.out.println("Suma numerelor introduse este: " + sum);
  System.out.println("Media aritmetica a numerelor introduse este: " + med);
sc.close();
}
}
```

2)
```
public class problems {
public static void main(String[]args) {
    int a = 5;
    do {
        int b=1;
        do {
            System.out.printf("%3d", a);
            b++;
        }
        while(b<=a);
        System.out.println();
```

```
        a--;
    }
    while (1<=a);
}
}
```

3)
```
import java.util.Scanner;
public class problems {
public static void main(String[]args) {
    Scanner abc = new Scanner (System.in);
    int a = abc.nextInt();
    int Sum1=0, Sum2=0;
    int b = (int)(Math.pow(a,  3.0));
    int c = (int)(Math.pow(a, 2.0));
    Sum1=Sum1+b;
    Sum2=(Sum2+a)*c;
    for(int d=1; d<=a; d++) {
        a=abc.nextInt();
        Sum1=Sum1+b;
        Sum2=(Sum2+a)*c;
    }
    if(Sum1>Sum2) {
        System.out.println("Sum1>Sum2.");
    }else{
        if(Sum1<Sum2) {
        System.out.println("Sum1<Sum2.");
        }else{
            System.out.println("Sum1=Sum2.");
            abc.close();
        }
    }
```

```
}
}
```