

Exercițiul 1

```
import java.util.Scanner;
public class ex1{
    public static void main(String[] args){
        Scanner sc=new Scanner (System.in);
        int n=sc.nextInt();
        double suma=0;
        int i=1;
        while(true) {
            suma+=Math.sqrt(i);
            i++;
            if(i>n)
                break;
        }
        System.out.println(suma);
    }
}
```

Exercițiul 2

```
import java.util.Scanner;
public class ex2 {
    public static void main(String[] args) {
        Scanner sc=new Scanner (System.in);
        System.out.println("introduceti numarul:");
        int n=sc.nextInt();
        sc.close();
        int x=1;
        int i=1;
        while(true) {
            x=x*i;
            if(x>=n)
                break;
            i++;
        }
        if(x==n)
            System.out.println(i);
        else
            System.out.println("Numărul" + n+ " nu are nici un factorial");
    }
}
```

Exercițiul 3

```
import java.util.Scanner;
```

```
public class ex3{
public static void main(String[] args){
Scanner sc = new Scanner(System.in);
System.out.println("Introduceți valoarea accelerației:");
int n = sc.nextInt();
sc.close();
double x;
double y;
int z = 0;
while(true) {
x= (n*Math.pow(z,2))/2;
z++;
x = n*z;
System.out.println("timpul este:"+z+", viteza este:"+x+",iar coordonata este:"+x);
if (z==10)
break;
}
}
}
```