For

Exercitiul 7

a)
```
import java.util.Scanner;
public class Main
{
	public static void main(String[] args) {
	Scanner car=new Scanner(System.in);
	int n=car.nextInt();
	int s=0;
	int p=1;
	int a;
	for (a=1;a<=n;a++){
	    s=s+(2*a-1);
	    p=p*(2*a-1);
	}
	System.out.println(s);
	System.out.println(p);
	car.close();
	}
}
```

b)
```
import java.util.Scanner;
public class Main
{
	public static void main(String[] args) {
	Scanner car=new Scanner(System.in);
	int n=car.nextInt();
	int s=0;
	int p=1;
	int a;
	for (a=1;a<=n;a++){
	    s=s+2*a;
	    p=p*2*a;
	}
	System.out.println(s);
	System.out.println(p);
	car.close();
	}
}
```

c)
```
import java.util.Scanner;
public class Main
{
	public static void main(String[] args) {
	Scanner car=new Scanner(System.in);
```

```
        int n=car.nextInt();
        int s=0;
        int p=1;
        int a;
        for (a=1;a<=n;a++){
            s=s+3*a;
            p=p*3*a;
        }
        System.out.println(s);
        System.out.println(p);
        car.close();
        }
}
```

```
d)import java.util.Scanner;
public class Main
{
        public static void main(String[] args) {
        Scanner car=new Scanner(System.in);
        int n=car.nextInt();
        int s=0;
        int p=1;
        int a;
        for (a=1;a<=n;a++){
            s=s+4*a;
            p=p*4*a;
        }
        System.out.println(s);
        System.out.println(p);
        car.close();
        }
}
```

Exercitiul 8

```
import java.util.Scanner;
public class Main
{
        public static void main(String[] args) {
        Scanner car=new Scanner(System.in);
        int n=car.nextInt();
        double s=0;
        int a;
        for (a=1;a<=n;a++){
        if(a%2==0) {
            s=s-1d/a ;

        }
```

```
        else {
         s=s+1d/a  ;
        }
        }
        System.out.println(s);
        car.close();
        }
}
```

While

Exercitiul 7

```
a)import java.util.Scanner;
public class Main
{
        public static void main(String[] args) {
        Scanner car=new Scanner(System.in);
        int n=car.nextInt();
        int s=0;
        int p=1;
        int a=1;
        while(a<=n){
            s=s+(2*a-1);
            p=p*(2*a-1);
            a++;
        }
        System.out.println(s);
        System.out.println(p);
        car.close();
        }
}

b)import java.util.Scanner;
public class Main
{
        public static void main(String[] args) {
        Scanner car=new Scanner(System.in);
        int n=car.nextInt();
        int s=0;
        int p=1;
        int a=1;
        while(a<=n){
            s=s+2*a;
            p=p*2*a;
```

```
            a++;
        }
        System.out.println(s);
        System.out.println(p);
        car.close();
        }
}

c)import java.util.Scanner;
public class Main
{
        public static void main(String[] args) {
        Scanner car=new Scanner(System.in);
        int n=car.nextInt();
        int s=0;
        int p=1;
        int a=1;
        while(a<=n){
            s=s+3*a;
            p=p*3*a;
            a++;
        }
        System.out.println(s);
        System.out.println(p);
        car.close();
        }
}

d)import java.util.Scanner;
public class Main
{
        public static void main(String[] args) {
        Scanner car=new Scanner(System.in);
        int n=car.nextInt();
        int s=0;
        int p=1;
        int a=1;
        while(a<=n){
            s=s+4*a;
            p=p*4*a;
            a++;
        }
        System.out.println(s);
        System.out.println(p);
        car.close();
        }
}
```

Exercitiul 8

```
import java.util.Scanner;
public class Main
{
	public static void main(String[] args) {
	Scanner car=new Scanner(System.in);
	int n=car.nextInt();
	double s=0;
	int a=1;
	while(a<=n){
	if(a%2==0) {
	   s=s-1d/a ;
	   a++;
	}
	else {
	 s=s+1d/a  ;
	 a++;
	}
	}
	System.out.println(s);
	car.close();
	}
}
```

Problema spre rezolvare

```
import java.util.Scanner;
public class Main
{
	public static void main(String[] args) {
	Scanner car=new Scanner(System.in);
	int n=car.nextInt();
	double s=0;
	double p=1;
	int a=1;
	while(a<=n){
	s=s+a/(a+1d);
	p=p*a/(a+1d);
	a++;
	}
	System.out.println(s);
	System.out.println(p);
	car.close();
	}
}
```