

Exercitiul 7

```
import java.util.Scanner;

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

        int n;

        n=c.nextInt();

        int s1=0; int p1=1;
        for (int i=1; i<=n ; i++) {
            s1=s1+(2*i-1);
            p1=p1*(2*i-1);
        }
        System.out.println("s1="+s1+ " , p1="+p1);

        int m;

        m=c.nextInt();

        int i=1; int s2=0; int p2=1;
        while (i<=m) {
            s2=s2+(2*i);
            p2=p2*(2*i);
            i++;
        }
        System.out.println("s2="+s2+ " , p2="+p2);

        int o;

        o=c.nextInt();

        int s3=0; int p3=1;
        for (int a=1; a<=o ; a++) {
            s3=s3+(3*a);
            p3=p3*(3*a);
        }
    }
}
```

```
System.out.println("s3="+s3+ " , p3="+p3);
```

```
    int p;
```

```
    p=c.nextInt();
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```
    int b=1; int s4=0; int p4=1;
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```
    while (b<=p) {
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        s4=s4+(4*b);
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        p4=p4*(4*b);
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        b++;
```

```
    }
```

```
System.out.println("s4="+s4+ " , p4="+p4);
```

```
    }
```

```
    }
```

Exercitiul 8

```
public class Main
{
public static void main(String[] args) {
double sum=0; double i;
for ( i=1; i<=4; i++) {
    if (i % 2==0) {
        sum=sum-1/i;
    }
    else {
        sum=sum+1/i;
    }
}
System.out.println(sum);

double s=0;
double j=1;
while (j<=4) {
    if (j % 2==0) {
        s=s-1/j; j++;
    }
    else {
        s=s+1/j; j++;
    }
} } System.out.println(s) ;
}
```

```
}
```

```
import java.util.Scanner;

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

    int n;

    n=c.nextInt();

    double s=0;

    for (double i=1; i<=n ; i++) {

        s=s+(i/(i+1));

    }

    System.out.println("s="+s);

}

}
```