# Capmari Amalia-Temă pentru acasă

1) Problema 7 pagina 97

```java
        package temepentruacasă;
import java.util.Scanner;
public class Homework1 {
    public static void main(String[] args) {
        int n, p=1, s=0;
        Scanner sc=new Scanner(System.in);
            n=sc.nextInt();
            for (int i=1; i<=n; i++) {
                s=s+(2*i-1);
                p=p*(2*i-1);
}

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

            int s2=0, p2=1;
            for(int i=1; i<=n; i++) {
                s2=(3*i)+s2;
                p2=(3*i)*p2;

            }
            System.out.println(s2);
            System.out.println(p2);

            int s3=0, p3=1;
            for(int i=1; i<=n; i++) {
                s3=(4*i)+s3;
                p3=(4*i)*p3;
            }
            System.out.println(s3);
            System.out.println(p3);
    }


}
```

2) Problema 8 pagina 97

```java
package temepentruacasă;
import java.util.Scanner;
public class Homework2 {
    public static void main(String[] args) {
        int n;
        double s=0;
        Scanner sc=new Scanner(System.in);
            n=sc.nextInt();
            for(double i=1; i<=n; i++) {
                if(i%2==0) {
```

```
                                    s=s-(1/i);
                        }else {
                                    s=s+(1/i);{
                        }
                        }
            }
        System.out.println(s);
        sc.close();
}
```

3) Problema 3

```
package temepentruacasă;
import java.util.Scanner;
public class Homework3 {
  public static void main(String[] args) {
        int n, sum=0, i=1;
        Scanner sc=new Scanner(System.in);
        n=sc.nextInt();
        while (i<=n) {
                sum = sum+i/i+1;
        }

        System.out.println("sum = "+sum);
                        }

                        }
```