26.03.2020

Tema pentru acasa

Ex. 7 (pag.97) – Instructiunea For

```
import java.util.Scanner;
public class Ex_7_Pag97 {
	public static void main(String[]Args){
		Scanner sc=new Scanner(System.in);
		double n=sc. nextDouble();
		int S=0, P=1, s=0, p=1, s1=0, p1=1, s2=0, p2=1;
		for(int i=1; i<=n; i++) {
		S=S+(2*i-1); P=P*(2*i-1);
	}
	System.out.println("a)Suma="+S+"; Produsul="+P);
		for(int f=1; f<=n; f++) {
		s=s+(2*f); p=p*(2*f);
	}
	System.out.println("b)Suma="+s+"; Produsul="+p);
		for(int g=1; g<=n; g++){
		s1=s1+(3*g); p1=p1*(3*g);
	}
	System.out.println("c)Suma="+s1+"; Produsul="+p1);
	   for(int h=1; h<=n; h++){
		s2=s2+(4*h); p2=p2*(4*h);
	}
	System.out.println("d)Suma="+s2+"; Produsul="+p2);
	sc.close();
}
}
```

Ex. 7 (pag.97) – Instructiunea While

```
import java.util.Scanner
public class Ex_7_Pag97 {
	public static void main(String[]Args){
		Scanner sc=new Scanner(System.in);
		double n=sc. nextDouble();
		int S=0, P=1, s=0, p=1, s1=0, p1=1, s2=0, p2=1;
	   int i=1;
	   while(i<=1) {
	   S=S+(2*i-1); P=P*(2*i-1);
	  i++;
	  }
	System.out.println("a)Suma="+S+"; Produsul="+P);
	   int f=1;
	   while(f<=n) {
		s=s+(2*f); p=p*(2*f);
		f++;
	}
	System.out.println("b)Suma="+s+"; Produsul="+p);
	   int g=1;
		while(g<=n){
		s1=s1+(3*g); p1=p1*(3*g);
		g++;
	}
	System.out.println("c)Suma="+s1+"; Produsul="+p1);
	   int h=1;
	   while(h<=n){
		s2=s2+(4*h); p2=p2*(4*h);
		h++;
	}
	System.out.println("d)Suma="+s2+"; Produsul="+p2);
	sc.close();
}
}
```

Ex. 8 (pag.97) – Instructiunea While

```
import java.util.Scanner;
public class Ex_8_Pag97 {
public static void main(String[]Args) {
        Scanner sc=new Scanner(System.in);
        double n=sc. nextDouble();
        double sum=0;
        int i=1;
        while(i<=n) {
          if(i%2==0) {
                sum=sum-(1d/i);
          i++;
        } else {
                sum=sum+(1d/i);
                i++;
        }}
        System.out.println("Suma="+sum);
sc.close();
}
}
```

Ex. 8 (pag.97) – Instructiunea For

```
import java.util.Scanner;
public class Ex_8_Pag97 {
public static void main(String[]Args) {
        Scanner sc=new Scanner(System.in);
        double n=sc. nextDouble();
        double sum=0;
        for(int i=1; i<=n; i++){
          if(i%2==0) {
                sum=sum-(1d/n);
          i++;
        } else {
                sum=sum+(1d/n);
                i++;
        }}
        System.out.println("Suma="+sum);
sc.close();
}
}
```

Exercitiu Fisa

```
import java.util.Scanner;
public class Ex_Fisa {
	public static void main(String[]Args) {
		Scanner sc=new Scanner(System.in);
		double n=sc. nextDouble();
		double sum=0, p=1;
		for(double i=1; i<=n; i++){
		sum=sum+(i/(i+1));
		p=p*(i/(i+1));
		}
		System.out.println("sum="+sum);
		System.out.println("p="+p);
		sc.close();
}
}
```

```
import java.util.Scanner;
public class Ex_Fisa {
	public static void main(String[]Args) {
		Scanner sc=new Scanner(System.in);
		double n=sc. nextDouble();
		double sum=0, p=1;
		double i=1;
		while(i<=n){
		sum=sum+(i/(i+1));
		p=p*(i/(i+1));
		i++;
		}

		System.out.println("sum="+sum);
		System.out.println("p="+p);
		sc.close();
}
}
```