Temă pentru acasă

```
import java.util.Scanner;
public class ExersareScanner {
public static void main(String[]args) {
	int a,b;
	Scanner sc=new Scanner(System.in);
	System.out.println("Prima problema:");
	System.out.print("a:");
	a=sc.nextInt();
	System.out.print("b:");
	b=sc.nextInt();
	if (a>b)
	System.out.println(a);
	else
	System.out.println(b);
	if (b-a>a-b)
		System.out.println(b);
		else
		System.out.println(a-b);
	if (a==b)
		System.out.println(a+b);
		else
		System.out.println(b-a);
	if (a!=b)
		System.out.println(a+" " +"si" +" " +b);
		else
		System.out.println(a);
	System.out.println("Problema a doua:");
	double x1;
	System.out.println("x:");
	x1=sc.nextDouble();
	if(x1<-5) {
		double f=Math.pow(x1, 2);
		System.out.println("f(x)="+f);}
	if (x1>=-5&&x1<2) {
		double g=x1+1;
	System.out.println("f(x)="+g);}
	if (x1>=2) {
		double h=Math.pow(x1, 3);
		System.out.println("f(x)="+h);
	}
	System.out.println("A treia problema:");
	int a1,b1,c1;
	System.out.print("a:");
	a1=sc.nextInt();
	System.out.print("b:");
	b1=sc.nextInt();
	System.out.print("c:");
	c1=sc.nextInt();
	if(a1>b1&&b1>c1&&a1>c1)
		System.out.println("Numerele in ordine descrescatoare:"+a1+","+b1+","+c1);
	if(b1>c1&&b1>a1&&c1>a1)
		System.out.println("Numerele in ordine descrescatoare:"+b1+","+c1+","+a1);
	if(b1>a1&&b1>c1&&a1>c1)
```

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            System.out.println("Numerele in ordine descrescatoare:"+b1+","+a1+","+c1);
        if(a1>b1&&a1>c1&&c1>b1)
            System.out.println("Numerele in ordine descrescatoare:"+a1+","+c1+","+b1);
        if(c1>a1&&c1>b1&&b1>a1)
            System.out.println("Numerele in ordine descrescatoare:"+c1+","+b1+","+a1);
        if(c1>a1&&c1>b1&&a1>b1)
            System.out.println("Numerele in ordine descrescatoare:"+c1+","+a1+","+b1);



        if(a1<b1&&b1<c1&&a1<c1)
            System.out.println("Numerele in ordine crescatoare:"+a1+","+b1+","+c1);
        if(b1<c1&&b1<a1&&c1<a1)
            System.out.println("Numerele in ordine crescatoare:"+b1+","+c1+","+a1);
        if(b1<a1&&b1<c1&&a1<c1)
            System.out.println("Numerele in ordine crescatoare:"+b1+","+a1+","+c1);
        if(a1<b1&&a1<c1&&c1<b1)
            System.out.println("Numerele in ordine crescatoare:"+a1+","+c1+","+b1);
        if(c1<a1&&c1<b1&&b1<a1)
            System.out.println("Numerele in ordine crescatoare:"+c1+","+b1+","+a1);
        if(c1<a1&&c1<b1&&a1<b1)
            System.out.println("Numerele in ordine crescatoare:"+c1+","+a1+","+b1);

        System.out.println("A patra problema:");
         double x,y;
         char op;
         System.out.println("x:");
            x=sc.nextDouble();
        System.out.println("y:");
            y=sc.nextDouble();
            System.out.println("Operatorii(+,-,/,*)");
            op=sc.next().charAt(0);
            double sum=x+y;
            double dif=x-y;
            double pro=x*y;
            double imp=x/y;
            switch(op) {
            case '+':{
            System.out.println(sum);
            break;}
            case '-':{
            System.out.println(dif);
            break;
            }
            case '*':
            {
            System.out.println(pro);
            break;
            }
            case '/':{
            System.out.println(imp);
            break;}
            }
            sc.close();
            }
}
```

În urma accesării comenzei „RUN” , am obținut :

```
Prima problema:
a:4
b:3
4
1
-1
4 si 3
Problema a doua:
x:
4
f(x)=64.0
A treia problema:
a:9
b:8
c:5
Numerele in ordine descrescatoare:9,8,5
Numerele in ordine crescatoare:5,8,9
A patra problema:
x:
11,2
y:
5
Operatorii(+,-,/,*)
*
56.0
```