Ex. 5

package prj1;

import java.util.Scanner;

public class Principal {

public static void main(String[] args) {

Scanner read = new Scanner(System.***in***); double a,b;

a = read.nextDouble(); b = read.nextDouble();

System.***out***.println("Ati introdus a = " + a + " si b = " + b);

System.***out***.println("Maximul dintre a si b este " + Ajutor.*maxiim*(a, b));

System.***out***.println("Minimul dintre a si b este " + Ajutor.*miniim*(a, b));

System.***out***.println("Suma maximului si minimului este " + (Ajutor.*maxiim*(a, b) + Ajutor.*miniim*(a, b) ));

System.***out***.println("Maximul dintre a-b si b este " + Ajutor.*maxiim*(a-b, b));

System.***out***.println("Minimul dintre a + b si b este " + Ajutor.*miniim*(a+b, b));

System.***out***.println("Maximul dintre 2a si 3b este " + Ajutor.*maxiim*(2\*a, 3\*b));

read.close();

}

}

package prj1;

public class Ajutor {

**static** **double** maxiim(**double** a, double b) {

return Math.*max*(a, b);

}

static double miniim(double a, double b) {

return Math.*min*(a, b);

}

}

Ex.6

package prj2;

import java.util.Scanner;

public class Principal {

**public** **static** **void** main(String[] args) {

Scanner read = new Scanner(System.***in***);double a,b,c;

a = read.nextDouble(); b = read.nextDouble(); c = read.nextDouble();

System.***out***.println("Ati introdus a = " + a + ", b = " + b + " si c = " + c);

System.***out***.println("Maximul dintre a, b si c este " + Ajutor.*maxiim*(a, b, c));

System.***out***.println("Minimul dintre a, b si c este " + Ajutor.*miniim*(a, b, c));

System.***out***.println("Maximul impartit la minim este " + (Ajutor.*maxiim*(a, b, c))/(Ajutor.*miniim*(a, b, c)) );

System.***out***.println("De 3 ori maximul este " + (3\*Ajutor.*maxiim*(a, b, c)) );

System.***out***.println("Cerinta de la punctul e) este egala cu " + (4 - 2\*Ajutor.*maxiim*(a, b, a+b-c)) );

System.***out***.println("Cerinta punctului f) este egala cu " + (Math.*pow*(Ajutor.*miniim*(a-b, b-c, c-a), 2) - 1) );

read.close();

}

}

package prj2;

public class Ajutor {

**static** **double** maxiim(double a, double b, double c) {

return Math.*max*(Math.*max*(a, b), c);

}

static double miniim(double a,double b, double c) {

return Math.*min*(Math.*min*(a, b), c);

}

}

Ex.7

package prj3;

import java.util.Scanner;

public class Principal {

public static void main(String[] args) {

Scanner read = new Scanner(System.***in***); double a,b;

a = read.nextDouble(); b = read.nextDouble();

System.***out***.println("Cerinta punctului a) : " + Ajutor.*func1*(a, b));

System.***out***.println("Cerinta punctului b) : " + Ajutor.*func2*(a, b));

System.***out***.println("Cerinta punctului c) : " + Ajutor.*func3*(a, b));

System.***out***.println("Cerinta punctului a) : "); Ajutor.*func4*(a, b);

read.close();

}

}

package prj3;

public class Ajutor {

static double func1(double a, double b) {

if (a > b) {

return a;

} else {

return b;

}

}

static double func2(double a, double b) {

if (b - a > a - b) {

return b;

} else {

return (a-b);

}

}

static double func3(double a, double b) {

if (a == b) {

return (a + b);

} else {

return (b - a);

}

}

static void func4(double a, double b) {

if (a != b) {

System.out.println("a = " + a + ", iar b = " + b);

} else {

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

}

}

}

Ex.8

package prj4;

import java.util.Scanner;

public class Principal {

public static void main(String[] args) {

Scanner read = new Scanner(System.***in***); double x;

x = read.nextDouble(); System.***out***.println("Ati introdus x = " + x);

System.***out***.println("Cerinta punctului a) : " + Ajutor.*func1*(x));

System.***out***.println("Cerinta punctului b) : " + Ajutor.*func2*(x));

System.***out***.println("Cerinta punctului c) : " + Ajutor.*func3*(x));

System.***out***.println("Cerinta punctului d) : " + Ajutor.*func4*(x));

read.close();

}

}

package prj4;

public class Ajutor {

static double func1(double x) {

if (x < -5) {

return Math.*pow*(x, 2);

} else if (x >= 2){

return Math.*pow*(x, 3);

} else {

return (x + 1);

}

}

static double func2(double x) {

if (x < 0) {

return Math.*cos*(x);

} else if (x == 0) {

return 4;

} else {

return Math.*sin*(x);

}

}

static double func3(double x) {

if (x < 1) {

return (3\*x + Math.*abs*(x-1) );

} else if (x >= 6) {

return (Math.*log*(x))/(Math.*log*(3));

} else {

return 2;

}

}

static double func4(double x) {

if (x <= 0) {

return 1;

} else if (x > 2) {

return Math.*sin*(x\*Math.***PI***);

} else {

return (Math.*pow*(x,2) + x);

}

}

}