import java.util.Scanner;

public class Lb6\_2 {

public static void main(String[] args) {

double a,b,c,d,x1,x2,x;

Scanner input = new Scanner(System.in);

System.out.println("Enter three numbers");

a = input.nextDouble();

b = input.nextDouble();

c = input.nextDouble();

d = Math.pow(b,2) - 4\*a\*c;

if ( d>0){

d = Math.sqrt(d);

x1 = (-b+d)/(2\*a);

x2 = (-b-d)/(2\*a);

System.out.println("The 1st is "+x1+"second root is"+x2);}

else if(d==0) {

x = -b/(2\*a);

System.out.println("The root is"+x);}

else

System.out.println("No Solution");

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

import java.util.Scanner;

public class Lab6\_3 {

public static void main(String[] args) {

int num1,num2,num3,big,small;

Scanner input = new Scanner(System.in);

System.out.println("enter Three numbers");

num1 = input.nextInt();

num2 = input.nextInt();

num3 = input.nextInt();

//big = num1;

big = (num1 >=num2)?num1:num2;

small= (num1 <= num2)?num1:num2;

big = (big >=num3)?big:num3;

small = (small <= num3)?small:num3;

System.out.println("the largest number is"+big);

System.out.println("the smallest number is"+small);

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

import java.util.Scanner;

public class Lab6\_1 {

/\*\*

\* @param args

\*/

public static void main(String[] args) {

int num;

boolean t = true;

Scanner input = new Scanner(System.in);

System.out.println("enter a number");

num = input.nextInt();

t=(num%2==0)?true:false;

System.out.println("The nature of the number is " +t);

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

import java.util.Scanner;

public class GradeCheck {

public static void main(String[] args) {

Scanner input = new Scanner (System.in);

char grade = ' ';

int m;

System.out.println("enter marks of the Student");

m = input.nextInt();

if (m >=90)

grade = 'A';

if (m>=80 && m< 90)

grade = 'B';

if (m>=70 && m< 80)

grade = 'C';

if (m>=60 && m< 70)

grade = 'D';

if (m< 60)

grade = 'F';

System.out.println("The grade of the student is "+grade);

}

}

**What is the output of each of the following code fragments? (given the declaration**

**int a=1,b=2, c=3;):**

* 1. if (a < c)

System.out.println("\*");

else if (a == b)

System.out.println("&");

else

System.out.println("$");

b. if(++a > b++ || a>0)

c++;

else

c;

System.out.println(a+" "+b+" "+c);

C.

if(a<b)

{

System.out.println("####");

System.out.println("\*\*\*\*");

}

else

System.out.println("&&&&");

Q#9 Convert the following switch statement into ifelse statements:

String dayString1, dayString2, dayString3;

int day = KB.nextInt();

switch (day) {

case 1: dayString1 = "Saturday";

case 2: dayString2 = "Sunday";

break;

case 3: dayString3 = "Monday";

break;

case 4: dayString1 = "Tuesday";

case 5: dayString2 = "Wednesday";

break;

default: dayString3 = "Invalid day";

break;

}