Forum:Hack Forums

Thread: Java calculator source code

xlosmuertosx - *September 23, 2015, 9:54 pm*

Heres a calculator

math.java
Code package Calc;

```
/**
 *
 * @author xlosmuertosx
 */
public class Maths {

    double add(double a, double b) {
        double answer = a+b;
        return answer;
    }

    double subtract(double a, double b) {
        double answer = a-b;
        return answer;
    }

    double multiply(double a, double b) {
        double answer = a*b;
        return answer;
    }

    double divide(double a, double b) {
        double answer = a/b;
        return answer;
    }

    double power(double a, double b){
        double answer =a;

        for (int x=2; x<=b; x++){
            answer *= a;
        }

        return answer;
    }

}
```

Calculator.java
Code package calc;

```
/**
 *
 * @author xlosmuertosx
 */
import java.util.Scanner;

public class Calculator {

public static void main(String[] args) {

    Scanner input = new Scanner(System.in);

    Maths Maths = new Maths();

    double answer = 0;
    double inputA, inputB;
    char operator;
    boolean done = false;

     while (done == false) {
        System.out.print("Please enter what you want to calculate: ");

        inputA = input.nextDouble();
        operator = input.next().charAt(0);
        inputB = input.nextDouble();

        switch (operator) {
            case '+': answer = Maths.add(inputA, inputB);
                      break;
            case '-': answer = Maths.subtract(inputA, inputB);
                      break;
            case '*': answer = Maths.multiply(inputA, inputB);
                      break;
            case '/': answer = Maths.divide(inputA, inputB);
                      break;
            case '^': answer = Maths.power(inputA, inputB);
                      break;
        }

            System.out.println(answer);
    }

    input.close();

  }

}
```

clrlslwi - *September 23, 2015, 9:59 pm*

Why do you have an instanced class full of pure functions? And a better question is why you have methods wrapping simple arithmic operations.

... insert rant about closing System.in and predefining your variables without assigning anything to

them ...

xlosmuertosx - *September 24, 2015, 7:44 pm*

(Sep 23, 2015 09:59 PM)Demmonic Wrote: [CITE] Why do you have an instanced class full of pure functions? And a better question is why you have methods wrapping simple arithmic operations.

... insert rant about closing System.in and predefining your variables without assigning anything to them ...

I cant understand, could you please write the source code ?

csrk - *September 25, 2015, 6:48 am*

(Sep 24, 2015 07:44 PM)xlosmuertosx Wrote: [CITE] I cant understand, could you please write the source code ?

You made something way more complex than it could be. I.e you made a function for adding two numbers, while a+b would have been just fine.

gua - *September 25, 2015, 8:59 am*

Will u in future add more functions to this ? :)

xlosmuertosx - *September 25, 2015, 9:00 pm*

(Sep 25, 2015 06:48 AM)Rewbert Wrote: [CITE] You made something way more complex than it could be. I.e you made a function for adding two numbers, while a+b would have been just fine.

Oh okay thanks, now I get it.

the wolf of blockchain - *September 25, 2015, 9:01 pm*

Went the extra mile but practice doesn't hurt :)

xlosmuertosx - *September 25, 2015, 9:02 pm*

(Sep 25, 2015 08:59 AM)gua Wrote: [CITE] Will u in future add more functions to this ? :)

What more function do you want ? you mean like a scientific calculator or a graphical display calculator ?