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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 arithmetic 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 ?