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/*Bryce Allen
1/15/15
Programming I
*/

import java.util.Scanner;
import java.text.DecimalFormat;

public class SimpleCalculator {

    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        DecimalFormat formatter = new DecimalFormat("# ,###,###.##");
        System.out.println("simple Calculator");
        System.out.print("Enter a number:");
        double number1 = scan.nextDouble();
        System.out.print("Enter another number:");
        double number2 = scan.nextDouble();
        System.out.println("Mathematical Operators: \n1 - Addition "
            + "\n2 - Substraction \n3 - Multiplication \n4 - Division");
        System.out.print("Please enter your choice:");
        int operator = scan.nextInt();
        double result = calculate(number1,number2,operator);
        // System.out.println("The result is "+formatter.format(result));
        if (number2 == 0 && operator == 4){
            System.out.println("You cannot divide by zero");
        }
        else{
            System.out.println("The result is "
                +formatter.format(calculate(number1,number2,operator)));
        }
    }
}

public static double calculate(double number1, double number2, int operator)
    if(operator == 1){
        return number1 + number2;
    }
    else if(operator == 2){
        return number1 - number2;
    }
    else if(operator == 3){
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r) {
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        return number1 * number2;
    }
    else{
        return number1 / number2;
    }
}
}
```

