

Solution Review: Implement a Calculator Class

This review provides a detailed analysis to solve the 'Implement a Calculator Class' challenge.

WE'LL COVER THE FOLLOWING ^

- Solution
- Explanation

Solution

```
class Calculator {  
  
    // Class fields  
    private double num1;  
    private double num2;  
  
    // Default Constructor  
    public Calculator(double num1, double num2) {  
        this.num1 = num1;  
        this.num2 = num2;  
    }  
  
    // Addition Method  
    double add() {  
        return this.num1 + this.num2;  
    }  
  
    // Subtraction Method  
    double subtract() {  
        return this.num2 - this.num1;  
    }  
  
    // Multiplication Method  
    double multiply() {  
        return this.num1 * this.num2;  
    }  
  
    // Divison Method  
    double divide() {  
        return this.num2 / this.num1;  
    }  
}  
  
class Demo {
```



```
public static void main(String args[]) {  
    Calculator obj = new Calculator(10, 94);  
  
    System.out.println(obj.add());  
    System.out.println(obj.subtract());  
    System.out.println(obj.multiply());  
    System.out.println(obj.divide());  
}  
}
```



Explanation

- We have implemented the **Calculator** class which has the data members **num1** and **num2**.
 - In the constructor, initialized both variables to **num1** and **num2**
 - Implemented **add()**, a *method* which returns the addition of two numbers i.e. $num1 + num2$
 - Implemented **Subtract()**, a *method* which returns the subtraction two numbers i.e. $num1 - num2$
 - Implemented **multiply()**, a *method* which returns the multiplication of two numbers i.e. $num1 * num2$
 - Implemented **divide()**, a *method* which returns the division of two numbers i.e. $num1 / num2$
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