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 {
```

```java
  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. $num1/num2$