Lab 19-Assignment

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1)Create test methods for a MathOperations class that provides basic arithmetic operations. Write tests to cover addition, subtraction, multiplication, and division. Use parameterized tests to test different input values.

```
package myapplication;

public class Calculator {
    public int add(int a, int b)
    {
        return(a+b);
    }
    public int sub(int a, int b)
    {
        return(a-b);
    }
    public int mul(int a, int b)
    {
        return(a*b);
    }
    public int div(int a, int b)
    {
        return(a/b);
    }


}
```

```
package myapplication;

import static
org.junit.jupiter.api.Assertions.assertEquals;
```

```java
import org.junit.jupiter.api.Test;

public class TestCase {
    @Test
    public void testMethod()
    {
        Calculator calc = new Calculator();

        assertEquals(calc.add(10, 10),20);

    }
    @Test
    public void testMethod1()
    {
        Calculator calc = new Calculator();

        assertEquals(calc.sub(10, 10),0);

    }
    @Test
    public void testMethod2()
    {
        Calculator calc = new Calculator();

        assertEquals(calc.mul(10, 10),100);

    }
    @Test
    public void testMethod3()
    {
        Calculator calc = new Calculator();

        assertEquals(calc.div(10, 10),1);

    }
    @Test
    public void testMethod4()
    {
        Calculator calc = new Calculator();
```

```
            assertEquals(calc.div(10, 10),0);

    }

}
```

Output: