

Nested and Repeated Tests

```
package com.ecommerce.tests;
```

```
public class Calculator
```

```
{  
    public int add(int a, int b) {  
        return a + b;  
    }  
}
```

```
package com.ecommerce.tests;
```

```
import org.junit.jupiter.api.*;
```

```
import org.junit.jupiter.api.AfterAll;  
import org.junit.jupiter.api.BeforeAll;  
import org.junit.jupiter.api.Test;  
import org.junit.platform.runner.JUnitPlatform;  
import org.junit.runner.RunWith;
```

```
@DisplayName("JUnit 5 Nested Example")
```

```
@RunWith(JUnitPlatform.class)
```

```
public class NestedCases {
```

@BeforeAll

```
static void beforeAll() {  
    System.out.println("Before all test methods");  
}
```

@BeforeEach

```
void beforeEach() {  
    System.out.println("Before each test method");  
}
```

@AfterEach

```
void afterEach() {  
    System.out.println("After each test method");  
}
```

@AfterAll

```
static void afterAll() {  
    System.out.println("After all test methods");  
}
```

@Nested

@DisplayName("Tests for the method A")

class A {

@BeforeEach

```
void beforeEach() {  
    System.out.println("Before each test method of the A class");  
}
```

@AfterEach

```
void afterEach() {
```

```

        System.out.println("After each test method of the A class");
    }

    @Test
    @DisplayName("Example test for method A")
    void sampleTestForMethodA() {
        System.out.println("Example test for method A");
    }

    @Nested
    @DisplayName("When X is true")
    class WhenX {

        @BeforeEach
        void beforeEach() {
            System.out.println("Before each test method of the WhenX class");
        }

        @AfterEach
        void afterEach() {
            System.out.println("After each test method of the WhenX class");
        }

        @Test
        @DisplayName("Example test for method A when X is true")
        void sampleTestForMethodAWhenX() {
            System.out.println("Example test for method A when X is true");
        }
    }
}

```