

# STQA

## Practical 4

### JUnit

21BCE020

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To study and perform sample tests using JUnit Testing tool for writing and executing automated unit tests.

**Mod.java**

```
public class Mod {  
    public int computeMod(int a, int b) {  
        if (b == 0) {  
            throw new IllegalArgumentException("Divisor cannot be  
zero");  
        }  
        return a % b;  
    }  
}
```

**ModTest.java**

```
import org.junit.*;  
import static org.junit.Assert.*;  
  
public class ModTest {  
    @Test  
    public void testComputeMod() {  
        Mod mod = new Mod();  
        int result = mod.computeMod(10, 0);  
    }  
}
```

```
    Assert.assertEquals(1, result);
}
```

Output

