

Exercise 3: Assertions in JUnit

##AssertionsTest.java

```
package org.apache.maven.archetypes.maven_archetype_quickstart;
```

```
import static org.junit.Assert.*;
```

```
import org.junit.Test;
```

```
public class AssertionsTest {
```

```
    @Test
```

```
    public void testAssertions() {
```

```
        assertEquals(5, 2 + 3);
```

```
        assertTrue(5 > 3);
```

```
        assertFalse(5 < 3);
```

```
        assertNull(null);
```

```
        assertNotNull(new Object());
```

```
        String str = "Hello";
```

```

String sameStr = str;

assertSame(str, sameStr);

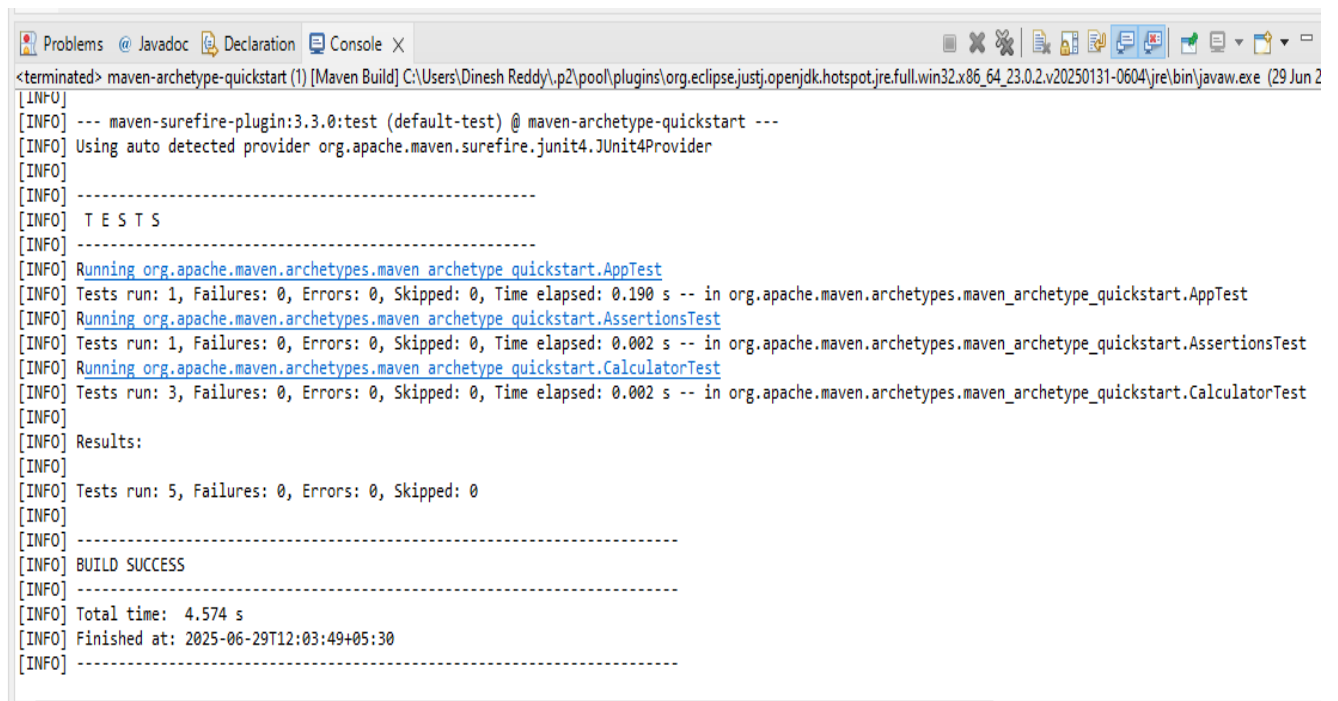

assertNotSame(new String("Hello"), new String("Hello"));

}

}

```

Output:



```

<terminated> maven-archetype-quickstart (1) [Maven Build] C:\Users\Dinesh Reddy\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_23.0.2.v20250131-0604\jre\bin\javaw.exe (29 Jun 2
[INFO]
[INFO] --- maven-surefire-plugin:3.3.0:test (default-test) @ maven-archetype-quickstart ---
[INFO] Using auto detected provider org.apache.maven.surefire.junit4.JUnit4Provider
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running org.apache.maven.archetypes.maven_archetype_quickstart.AppTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.190 s -- in org.apache.maven.archetypes.maven_archetype_quickstart.AppTest
[INFO] Running org.apache.maven.archetypes.maven_archetype_quickstart.AssertionsTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.002 s -- in org.apache.maven.archetypes.maven_archetype_quickstart.AssertionsTest
[INFO] Running org.apache.maven.archetypes.maven_archetype_quickstart.CalculatorTest
[INFO] Tests run: 3, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.002 s -- in org.apache.maven.archetypes.maven_archetype_quickstart.CalculatorTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 5, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time: 4.574 s
[INFO] Finished at: 2025-06-29T12:03:49+05:30
[INFO]
[INFO] -----

```