

Assertions in Java:

Code:

1. assertion\src\main\java\com\assertion\App.java:

```
package com.assertion;

/**
 * Hello world!
 *
 */
public class App
{
    public static void main( String[] args )
    {
        System.out.println( "Hello World!" );
    }
}
```

2. assertion\src\test\java\com\assertion\AssertionsTest.java:

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

public class AssertionsTest {

    @Test
    public void testBasicAssertions() {
        assertEquals("Addition should work correctly", 5, 2 + 3);

        assertTrue("5 should be greater than 3", 5 > 3);
        assertFalse("5 should not be less than 3", 5 < 3);

        assertNull("This object should be null", null);
        assertNotNull("This object should not be null", new
Object());
    }
}
```

```
}
```

Output:

```
[INFO] -----  
[INFO] T E S T S  
[INFO] -----  
[INFO] Running AssertionsTest  
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.142 s -- in AssertionsTest  
[INFO] Results:  
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0  
[INFO] -----  
[INFO] BUILD SUCCESS  
[INFO] -----  
[INFO] Total time: 4.553 s  
[INFO] Finished at: 2025-06-27T14:37:19+05:30
```