

```

package glasgow.ac.uk.queue;
import static org.junit.Assert.*;
import org.junit.*;
import java.util.*;

public class QueueTest {

    private Queue q;

    @Before
    public void setUp(){
        q = new Queue();
    }

    @Test
    public void testEmpty() {
        assertTrue("Check is empty queue", q.isEmpty());
    }

    @Test
    public void testEnqueue() {
        q.enqueue("Frodo");
        assertEquals("Check adding Frodo", "Frodo", q.peek() );
    }

    @Test
    public void testNonEmpty() {
        q.enqueue("Frodo");
        assertFalse("Check is non empty queue", q.isEmpty());
    }

    @Test(expected = NoSuchElementException.class)
    public void testPeekNull() {
        q.peek();
    }

    @Test
    public void testPeek() {
        q.enqueue("F1");
        q.enqueue("F2");
        assertEquals("Check peeking F1", "F1", q.peek() );
    }

}

```