**Exercise 1: Parameterized Tests**

**EvenChecker.java**

public class EvenChecker {

public boolean isEven(int number) {

return number % 2 == 0;

}

}

**EvenCheckerTest.java**

import com.mycompany.mavenproject1.EvenChecker;

import static org.junit.jupiter.api.Assertions.\*;

import org.junit.jupiter.params.ParameterizedTest;

import org.junit.jupiter.params.provider.ValueSource;

public class EvenCheckerTest {

EvenChecker checker = new EvenChecker();

@ParameterizedTest

@ValueSource(ints = {2, 4, 6})

void testEvenNumbers(int num) {

assertTrue(checker.isEven(num), num + " should be even");

}

@ParameterizedTest

@ValueSource(ints = {1, 3, 5})

void testOddNumbers(int num) {

assertFalse(checker.isEven(num), num + " should be odd");

}

}

**Output**

