**Exercise 2: Writing Basic JUnit Tests**

1. Prime.java

package com.exercise;

public class Prime {

public boolean isPrime(int n) {

if (n <= 1)

{

return false;

}

for (int i = 2; i <= Math.*sqrt*(n); i++) {

if (n % i == 0)

{

return false;

}

}

return true;

}

}

1. PrimeTest.java

package com.exercise;

import static org.junit.Assert.\*;

import org.junit.Test;

public class PrimeTest {

*@Test*

public void testIsPrime() {

Prime primeChecker = new Prime();

*assertTrue*(primeChecker.isPrime(7)); // Prime

*assertTrue*(primeChecker.isPrime(13)); // Prime

*assertFalse*(primeChecker.isPrime(4)); // Not prime

*assertFalse*(primeChecker.isPrime(1)); // Not prime

}

}

Output:

A screenshot of a computer

AI-generated content may be incorrect.