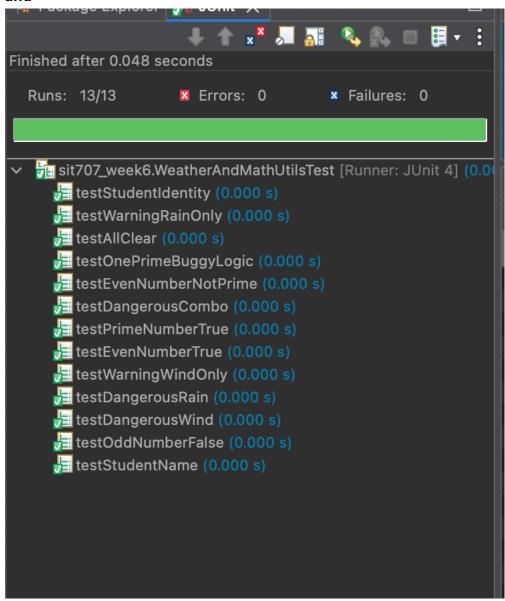
Name: Aditya

Student I'D: 224277942

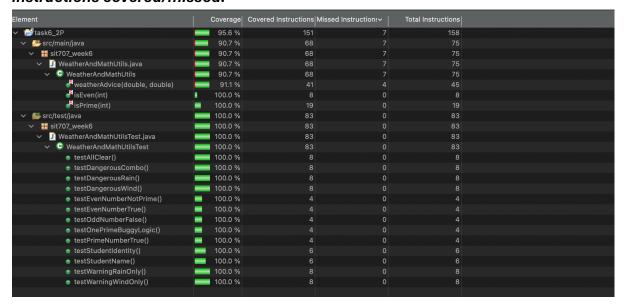
SIT333 – Software Quality and Testing Task 6.1P – Code Coverage

A screenshot of your Eclipse IDE's

(i) JUnit tab which shows test statistics including Runs, Errors and Failures and



(ii) Emma coverage output which shows coverage statistics including percentage coverage per java file and corresponding number of instructions covered/missed.

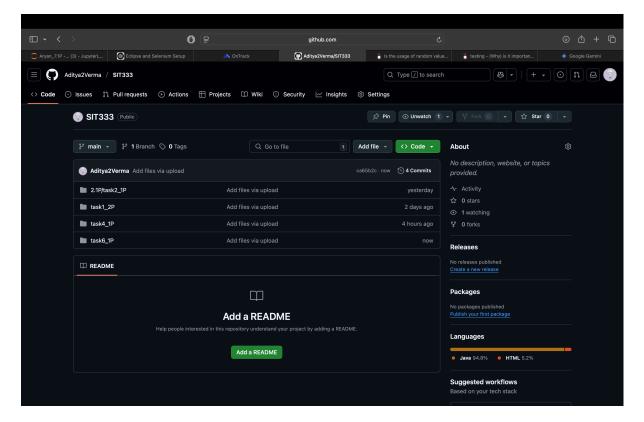


• Your program's source code for tests WeatherAndMathUtilsTest.java

```
package sit707_week6;
  3⊕ import org.junit.Assert; ...
  6 public class WeatherAndMathUtilsTest {
  80
            @Test
             public void testStudentIdentity() {
                   String studentId = "224277942";
Assert.assertNotNull("Student ID is null", studentId);
 14
            @Test
            public void testStudentName() {
   String studentName = "Aditya";
   Assert.assertNotNull("Student name is null", studentName);
 21
229
23
24
            @Test
             public void testDangerousWind() {
                 String result = WeatherAndMathUtils.weatherAdvice(75.0, 2.0);
Assert.assertEquals("CANCEL", result);
27
28●
            @Test
            public void testDangerousRain() {
   String result = WeatherAndMathUtils.weatherAdvice(20.0, 6.5);
   Assert.assertEquals("CANCEL", result);
 29
30
             }
 34
            @Test
            public void testDangerousCombo() {
   String result = WeatherAndMathUtils.weatherAdvice(46.0, 4.5);
   Assert.assertEquals("CANCEL", result);
            @Test
public void testWarningWindOnly() {
    String result = WeatherAndMathUtils.weatherAdvice(50.0, 2.0);
    Assert.assertEquals("WARN", result);
 40⊜
            @Test
public void testWarningRainOnly() {
    String result = WeatherAndMathUtils.weatherAdvice(10.0, 5.0);
    Assert.assertEquals("WARN", result);
 46●
             }
 52⊜
            @Test
            public void testAllClear() {
    String result = WeatherAndMathUtils.weatherAdvice(10.0, 1.0);
53
54
```

```
52⊜
           @Test
           public void testAllClear() {
                String result = WeatherAndMathUtils.weatherAdvice(10.0, 1.0);
Assert.assertEquals("ALL CLEAR", result);
60⊜
           @Test
           public void testEvenNumberTrue() {
                Assert.assertTrue(WeatherAndMathUtils.isEven(4));
          @Test
public void testOddNumberFalse() {
    Assert.assertFalse(WeatherAndMathUtils.isEven(5));
65⊜
72e
73
           @Test
          public void testPrimeNumberTrue() {
    Assert.assertTrue(WeatherAndMathUtils.isPrime(3)); // should be true
74
75
76
770
           @Test
          public void testEvenNumberNotPrime() {
    Assert.assertFalse(WeatherAndMathUtils.isPrime(4)); // even number
          @Test
public void testOnePrimeBuggyLogic() {
    Assert.assertTrue(WeatherAndMathUtils.isPrime(1)); // due to faulty logic
84●
    }
```

• A screenshot of your GitHub page where your latest project folder is pushed.



Github link:

https://github.com/Aditya2Verma/SIT333