Writing Unit Tests With the MRUnit Framework

Eclipse project: mrunit

Java files:

SumReducer.java (Reducer from WordCount)

WordMapper.java (Mapper from WordCount)

TestWordCount.java (Test Driver)

Exercise Directory: ~/workspace/mrunit

**In this Exercise, you will write Unit Tests for the WordCount code.**

1. Launch Eclipse (if necessary) and expand the mrunit folder.
2. Examine the TestWordCount.java file in the mrunit project fixme package. Notice that three tests have been created, one each for the Mapper, Reducer, and the entire MapReduce flow. Currently, all three tests simply fail.
3. Run the tests by right-‐clicking on TestWordCount.java in the Package Explorer panel and choosing **Run As > JUnit** **Test**.
4. Observe the failure. Results in the JUnit tab (next to the Package Explorer tab) should indicate that three tests ran with three failures.
5. Now implement the three tests. (If you need hints, refer to the code in the hints or solution packages.)
6. Run the tests again. Results in the JUnit tab should indicate that three tests ran with no failures.
7. When you are done, close the JUnit tab.

**END**