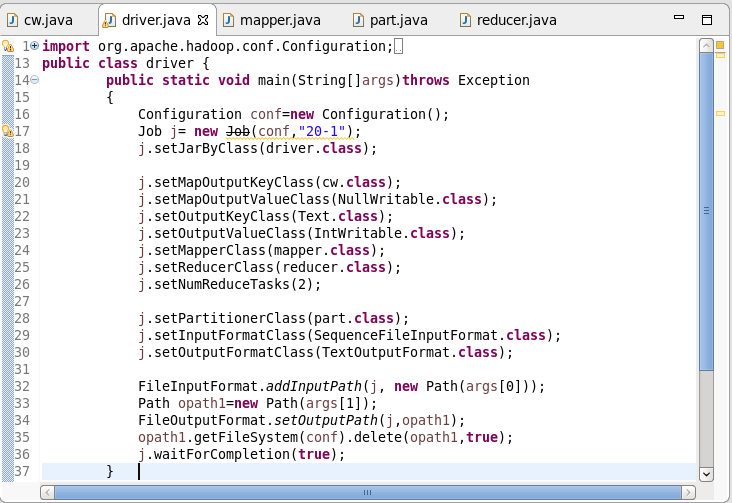
**Assignment 20.1**

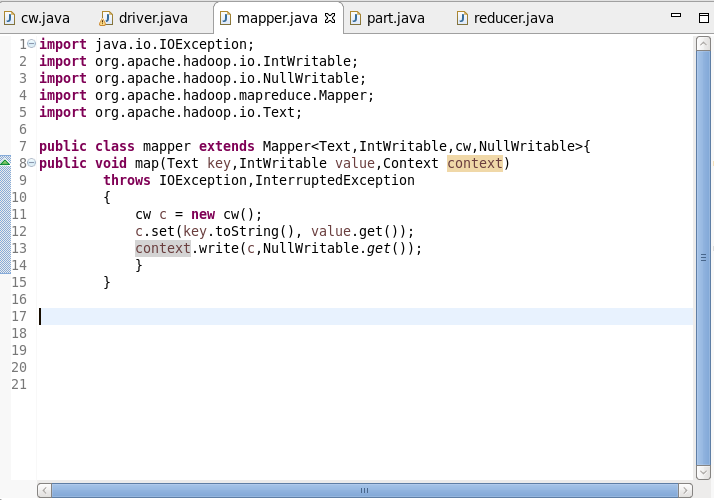
**Problem Statement :**

Task9: Enhance the MapReduce program of Task 8 (refer session 19, assignment 3) to use multiple reducers for sorting. The driver should accept three additional values: the minimum units sold, the maximum units sold and number of reducers to use. Use units sold as key and company as value. Write a custom partitioner to divide the keys on the basis of range. Take minimum to be 0 and maximum to be 10. Divide them across 2 reducers.

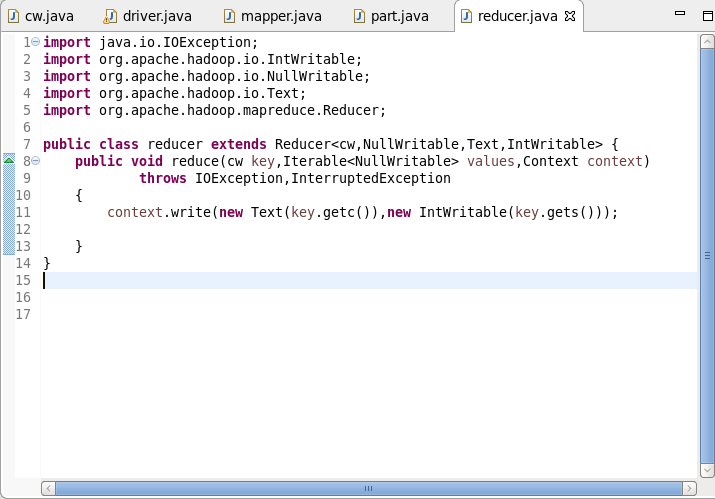
**Driver Class:**



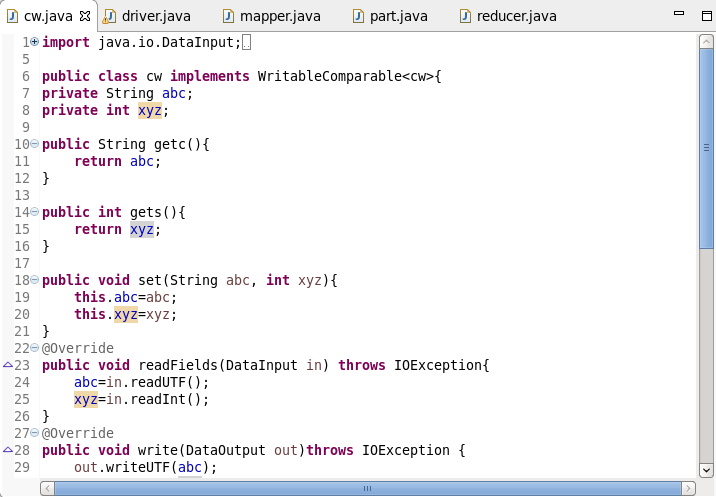
**Mapper Class:**

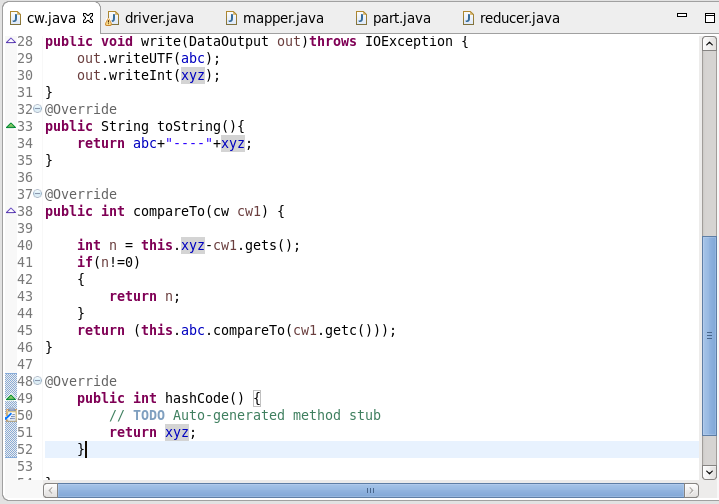


**Reducer Class:**

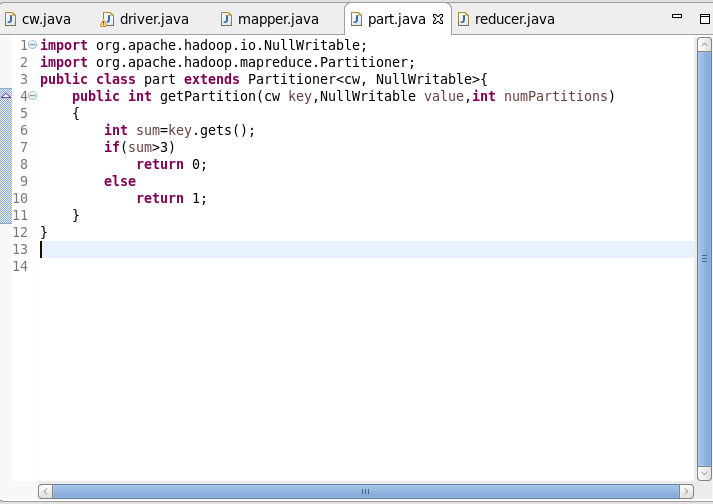


**Composite key Class:**

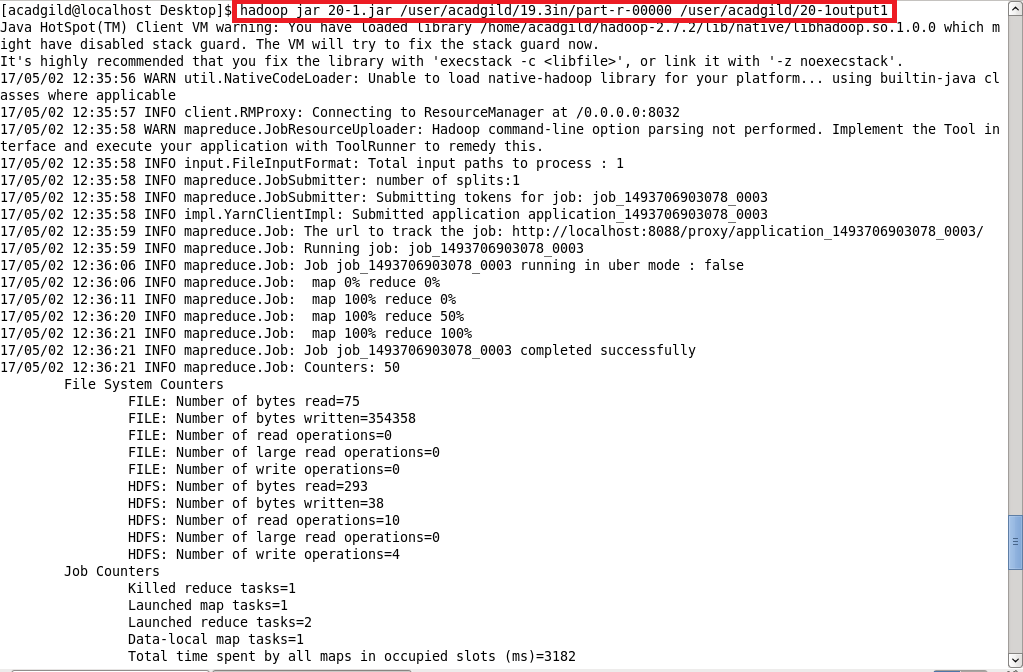




**Partitioner Class:**



**Execution Command:**



**Output:**

