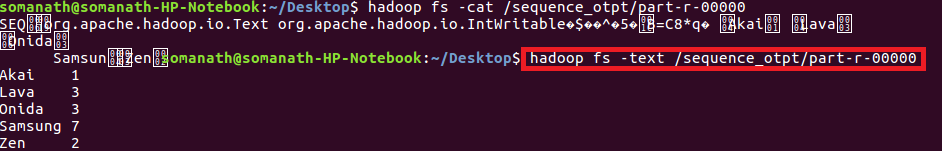
**Q1. Write a MapReduce program that takes the output of Task 5 (refer session 7, assignment 1) as input, and produce output which is sorted on the total units sold. You may use a single reducer for the sorting. Use Sequence File formats as an output of Task 5 and as input for this task**

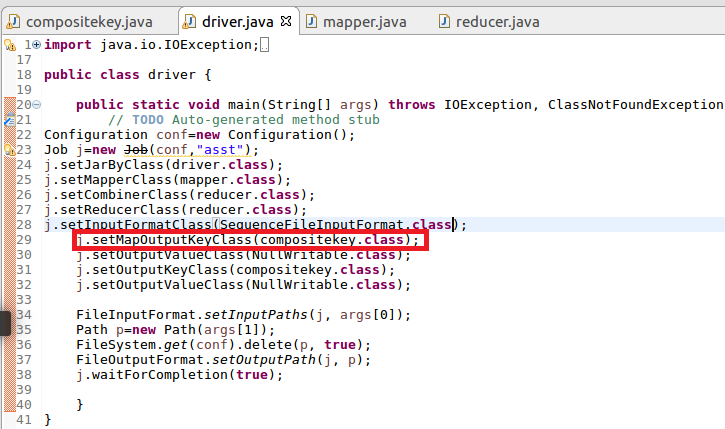
**Sequence File Input**



**As we want to order the company based on total units sold I will define a composite key which contains company and sold count and sort based on units sold**

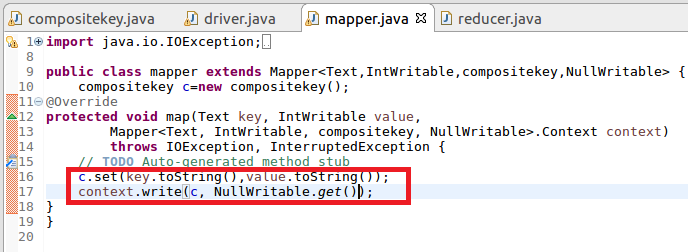
**Driver:-**

Set composite key class as Outputkey class and nullwritable as value



**Mapper:-**

Read the sequence file input and send composite key(consisting of company and count) as Key and nullwritable as value

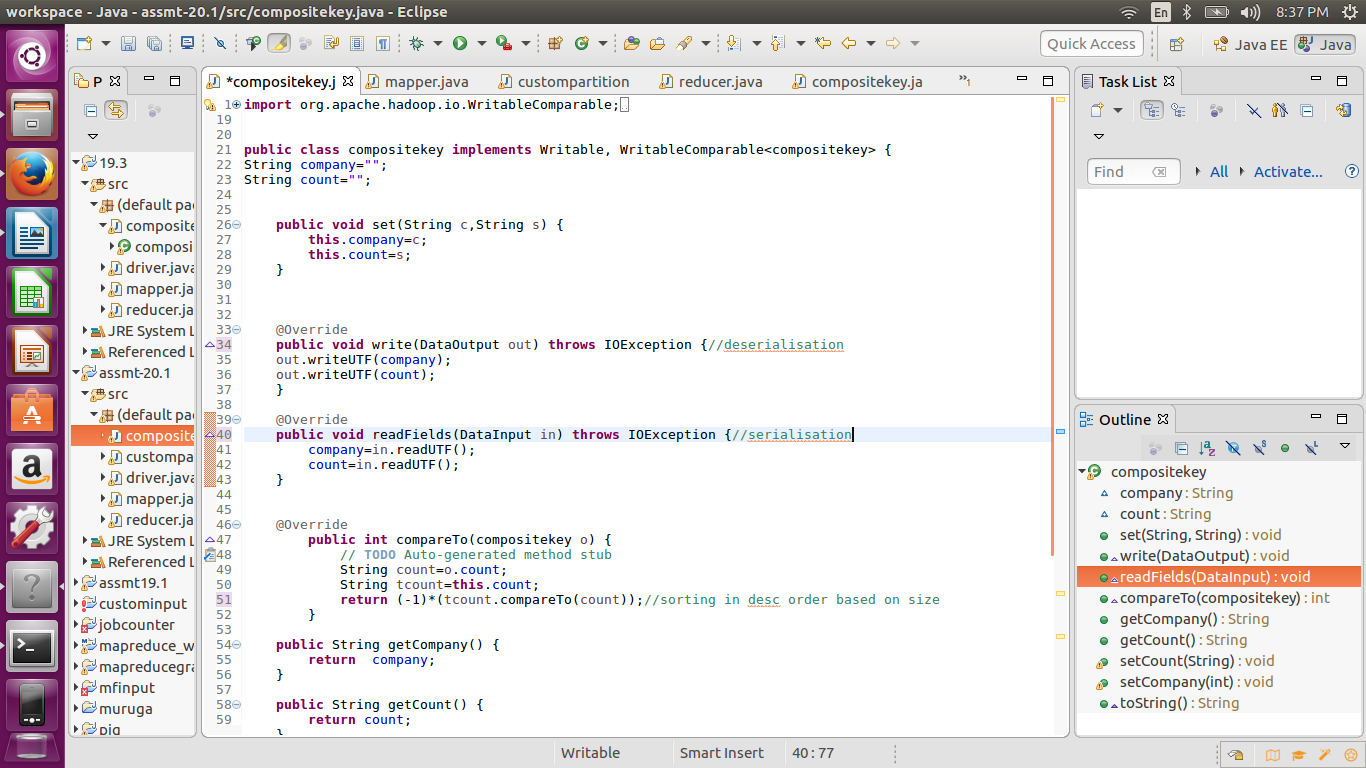


**Composite Key**

Step1:Override compare to method and sort the key based on total units sold in Descending order

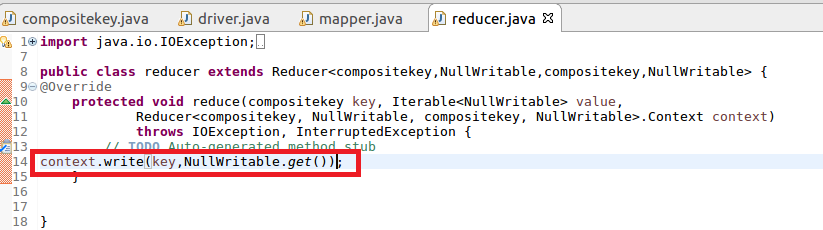
Step2:Override ToString Method and display the output in the way we want want to display

Step3:read field and write fields is for serialization and deserialisation

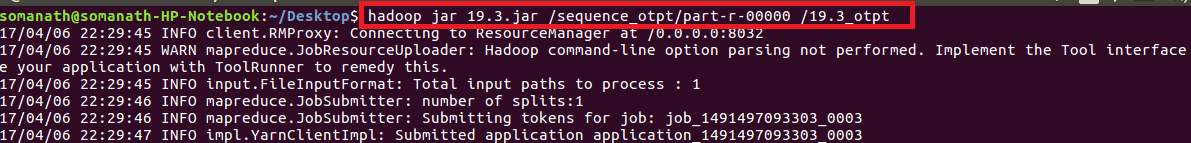


**Reducer**

Writing the composite key and value



**Running Jar**



**Output**

**Inference :company sorted based on total Units sold**

