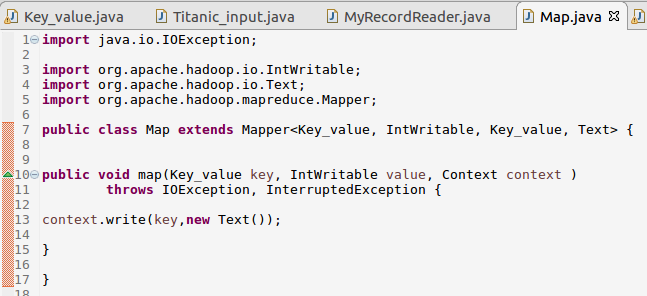
Problem Statement:

This dataset consists of two columns i.e., first\_name & last\_name &city use custom input format to read the key as the combination of first\_name and last\_name and arrange the output of the program should be the key sorted by last\_name.

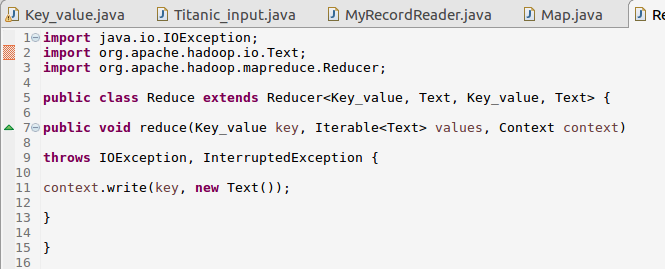
Task class:



Mapper class:

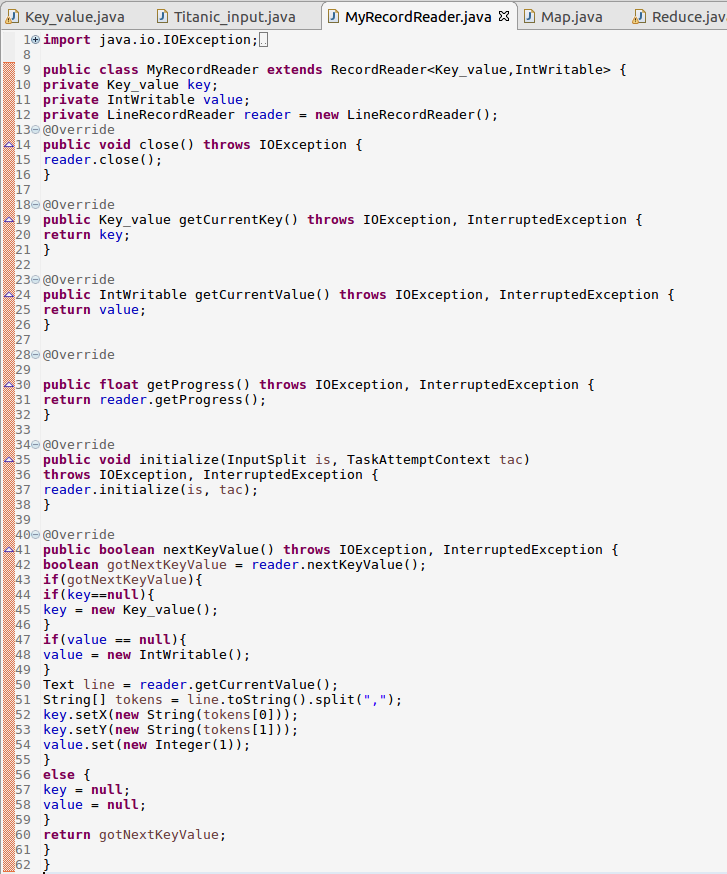


Reducer class:

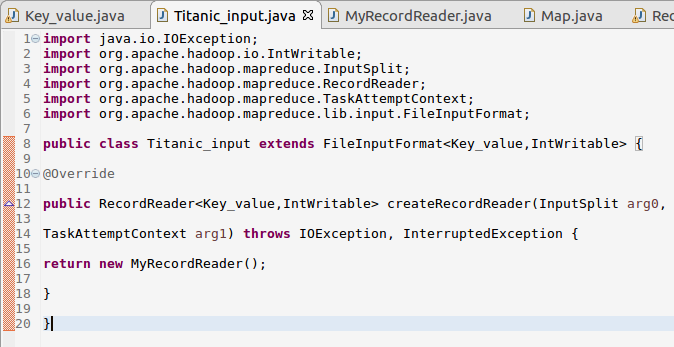


Writable comparable class:

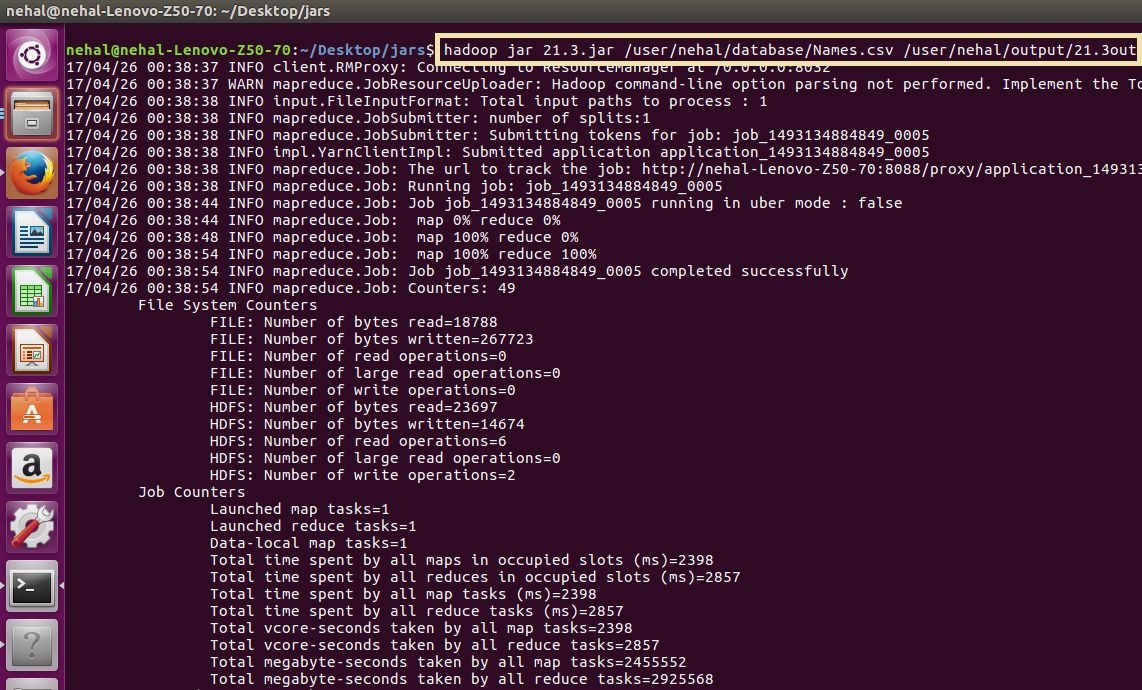
Record reader class:



File input format class:



Running jar:



Output:

