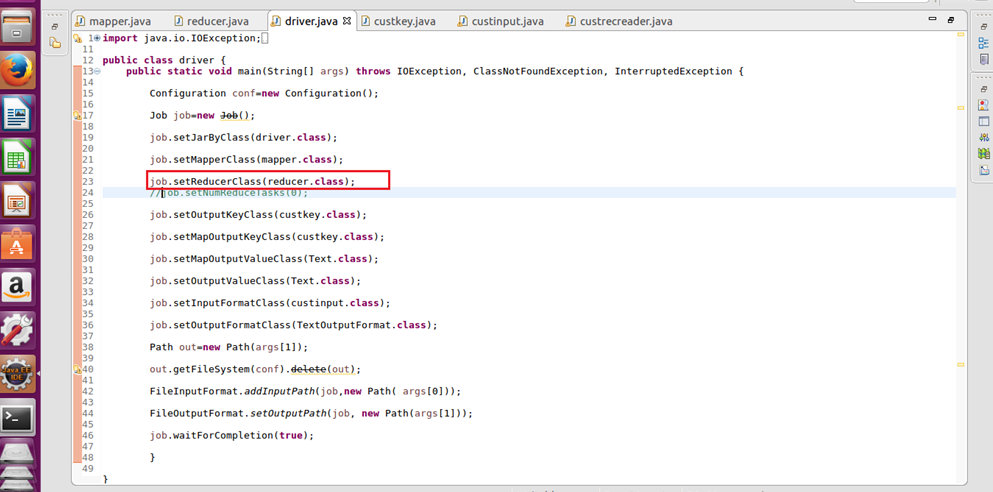
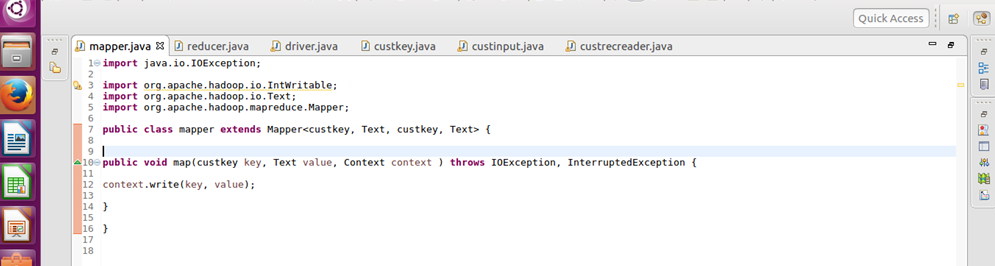
**QUE-21.3- This dataset consists of two columns i,e., first\_name & last\_name &city use custom input format to read the key as the combination of first\_name and last\_name and arrange the output of the program should be the key sorted by last\_name.**

**ANS-21.3-**

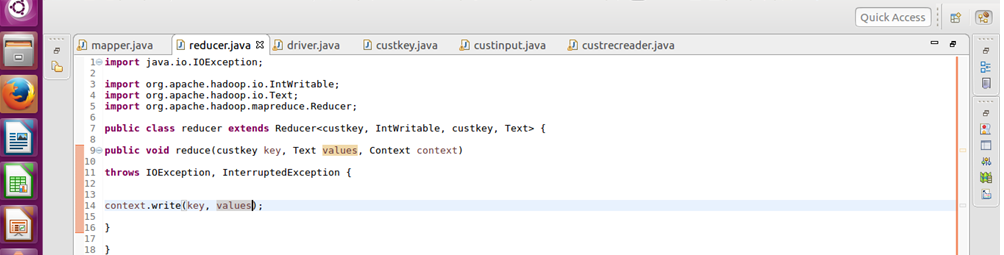
**Driver-**

****

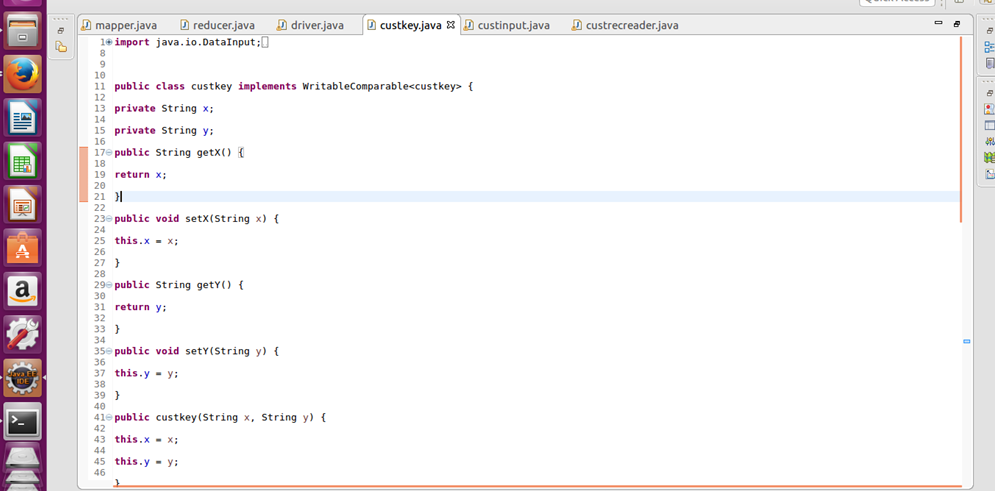
**Mapper-**

****

**Reducer-**

****

**Custom key-**

****

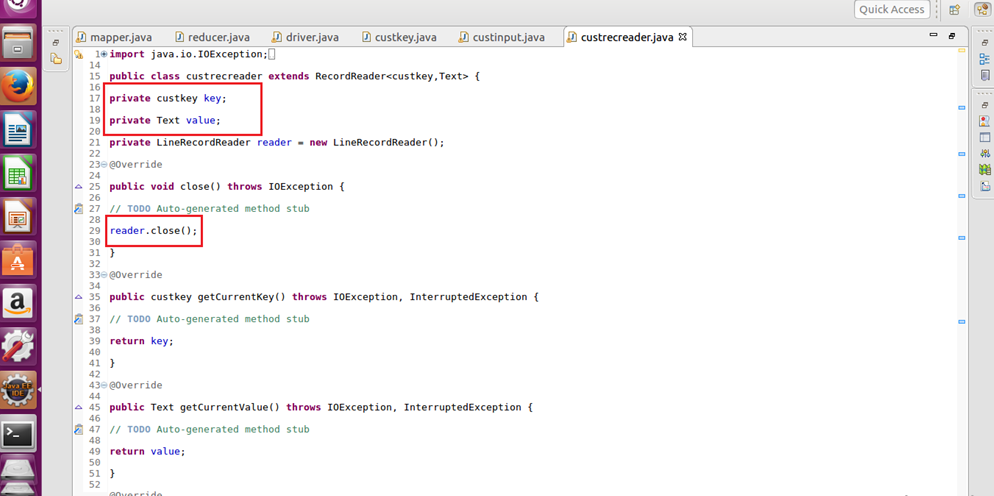
****

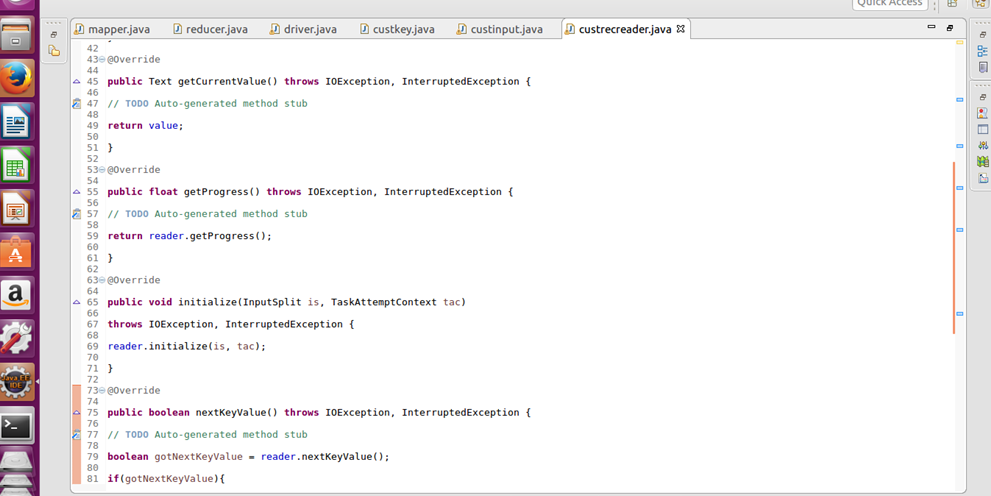
****

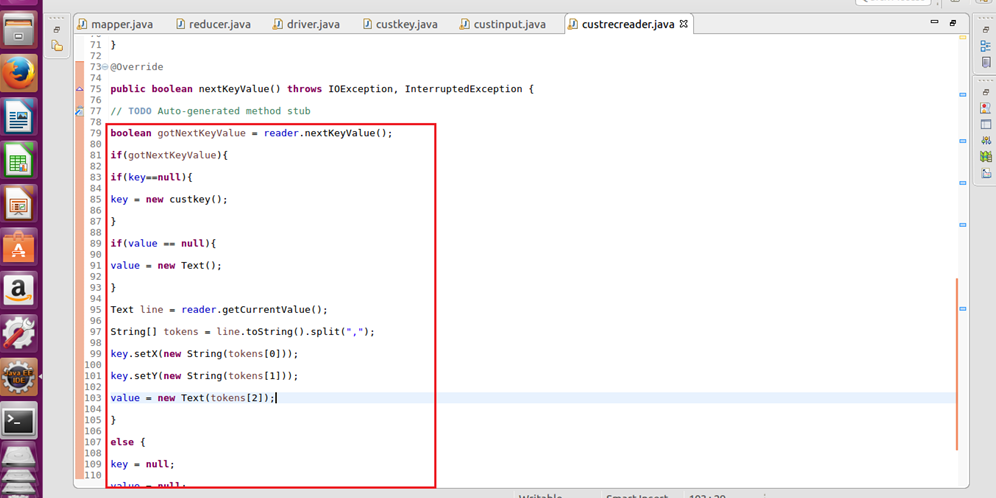
**Custom file format-**

****

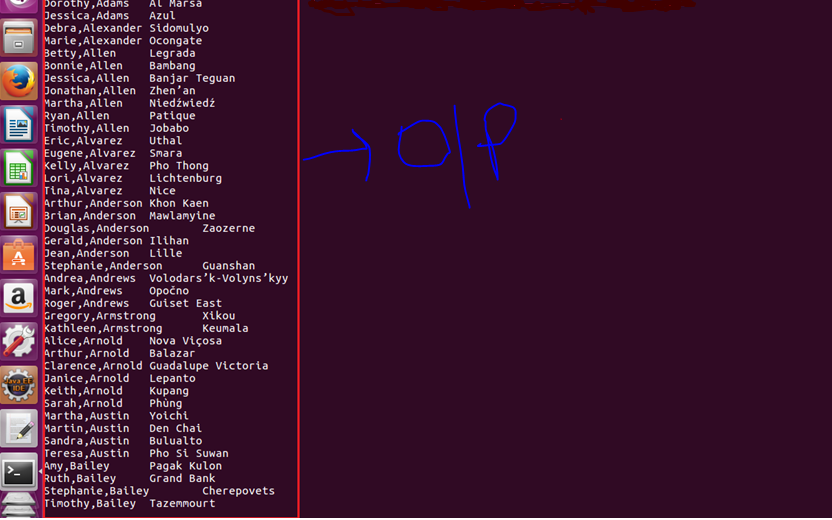
**Custom record reader-**

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**Output-**

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