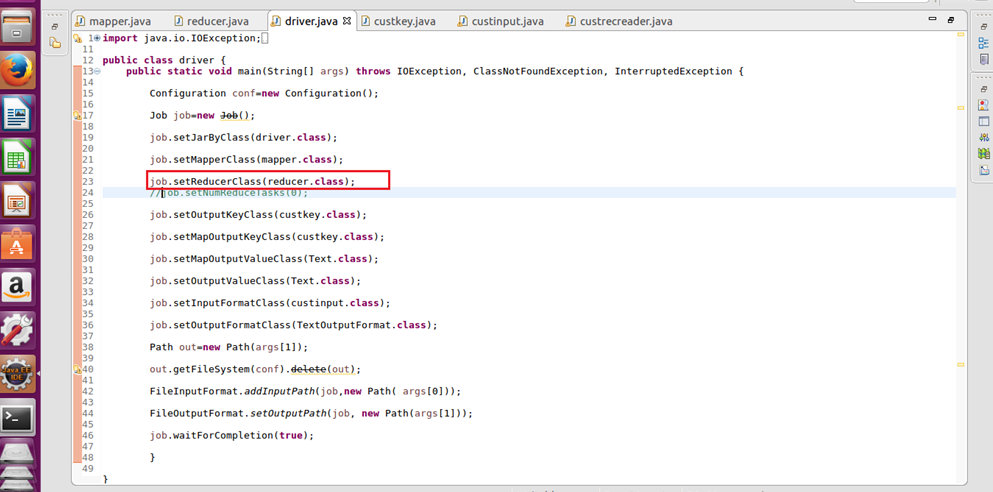
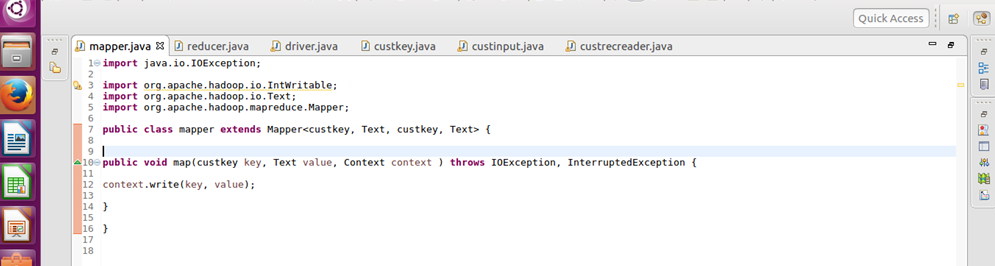
**This dataset consists of two columns i,e., first\_name & last\_name &city use custom input format to read the key as the combination of first\_name and last\_name and arrange the output of the program should be the key sorted by last\_name.**

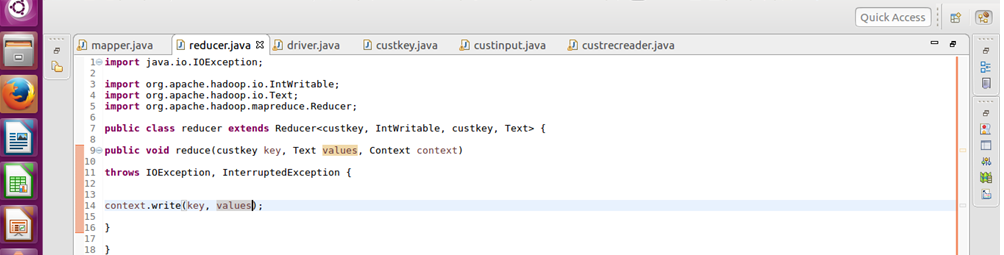
**Driver**

****

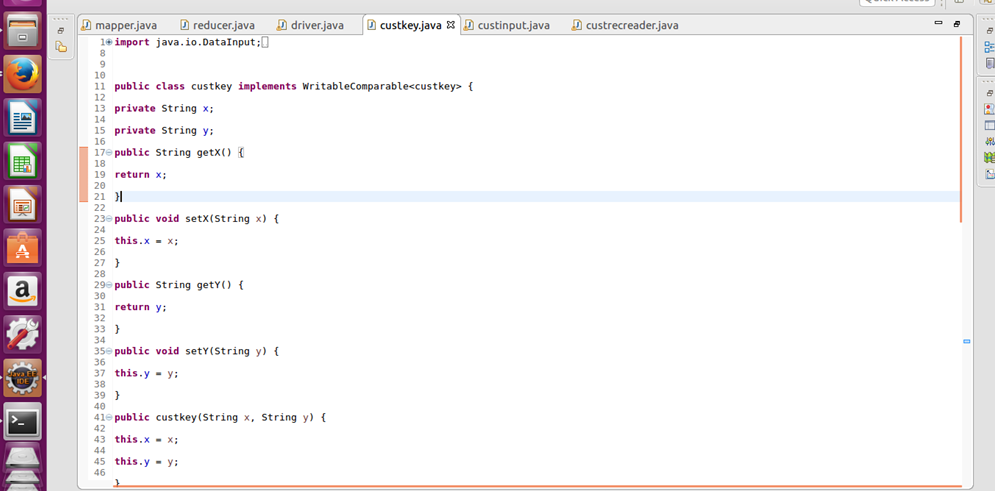
**Mapper**

****

**Reducer**

****

**Custom key**

****

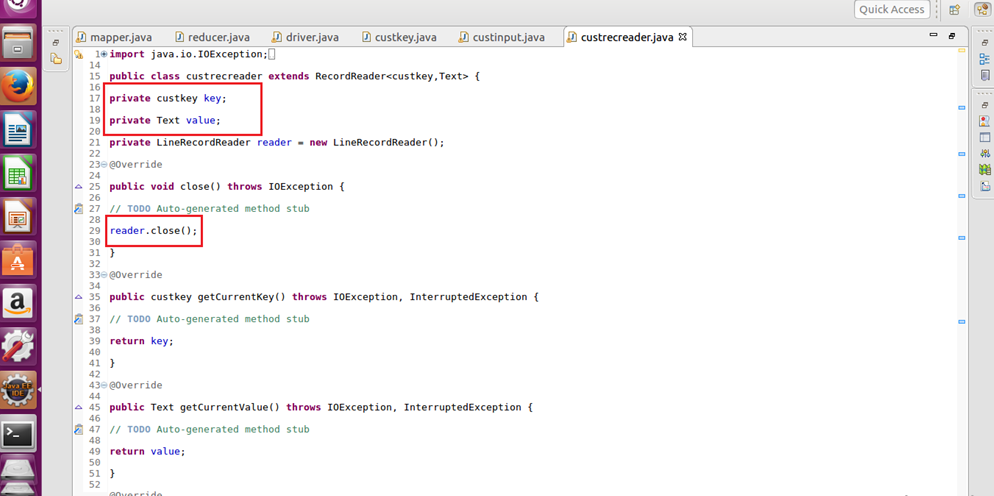
****

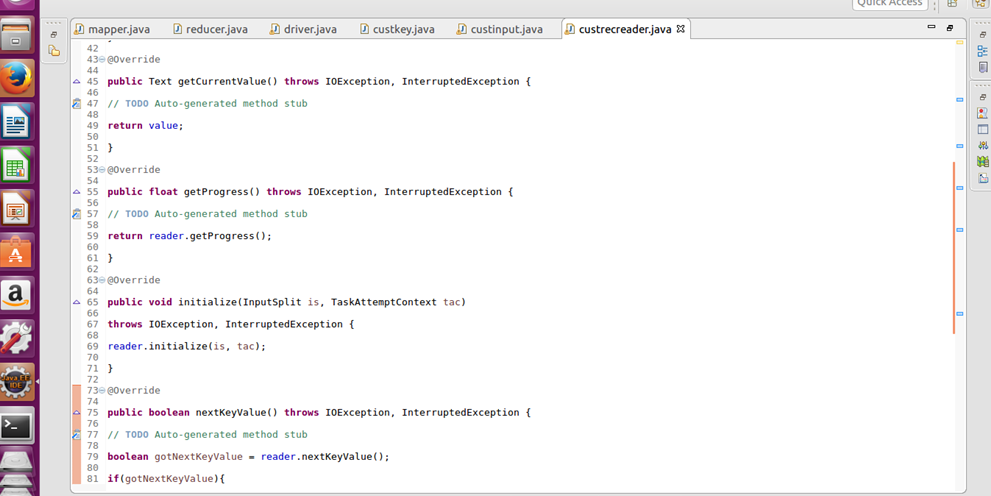
****

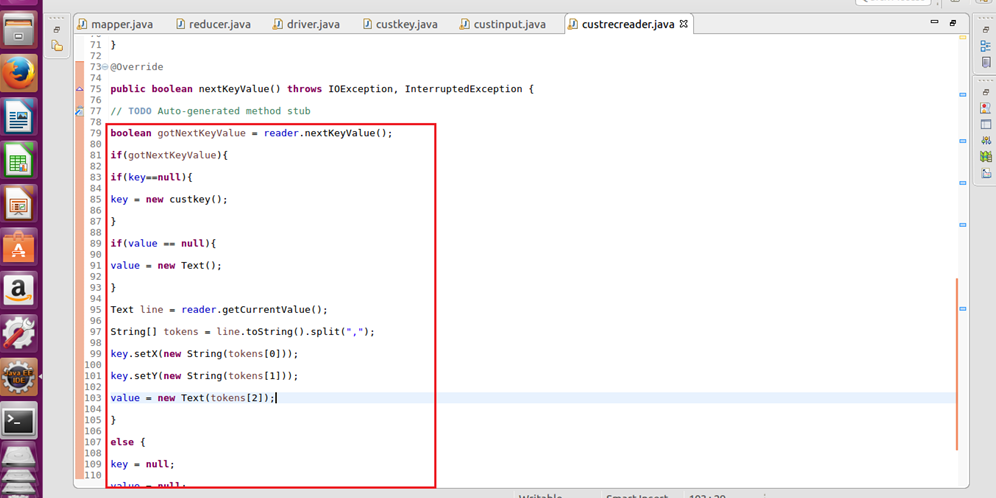
**Custom file format**

****

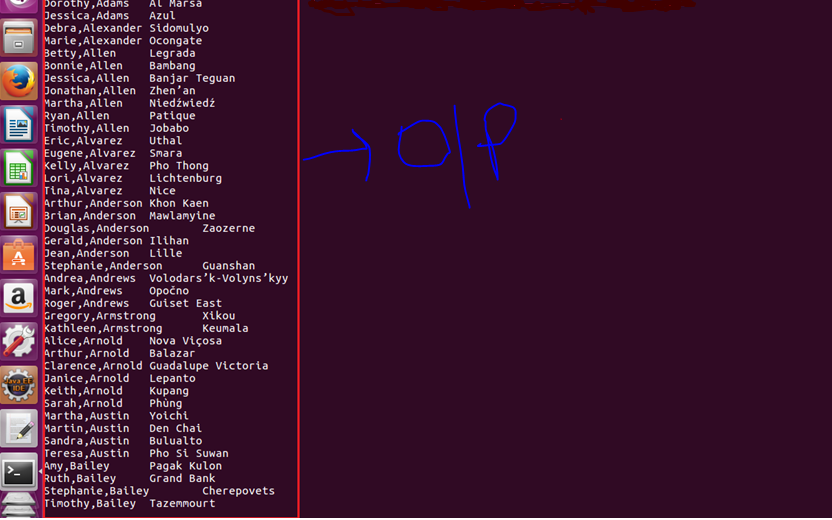
**Custom record reader**

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**Output**

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