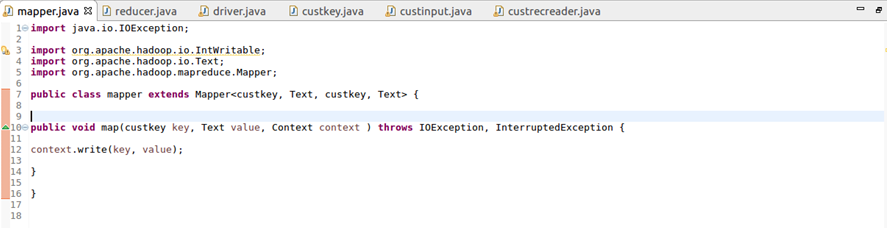
**Q. This dataset consists of two columns i,e., first\_name & last\_name &city use custom input format to read the key as the combination of first\_name and last\_name and arrange the output of the program should be the key sorted by last\_name.**

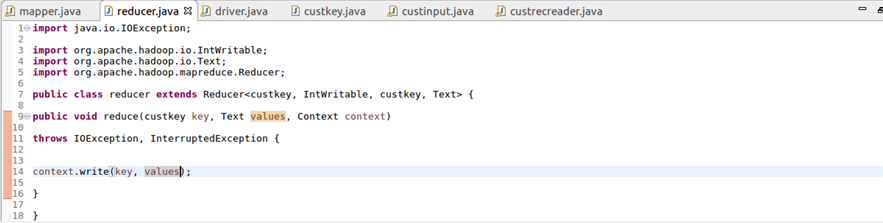
**Driver**

****

**Mapper**



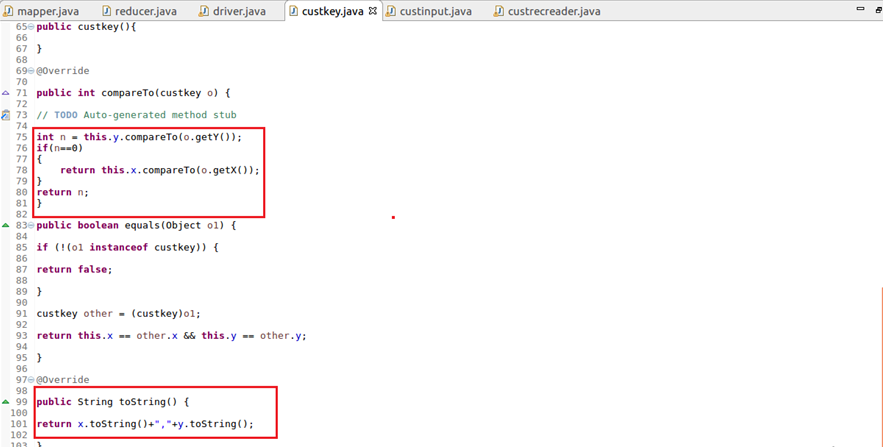
**Reducer**



**Custom key**

****

****

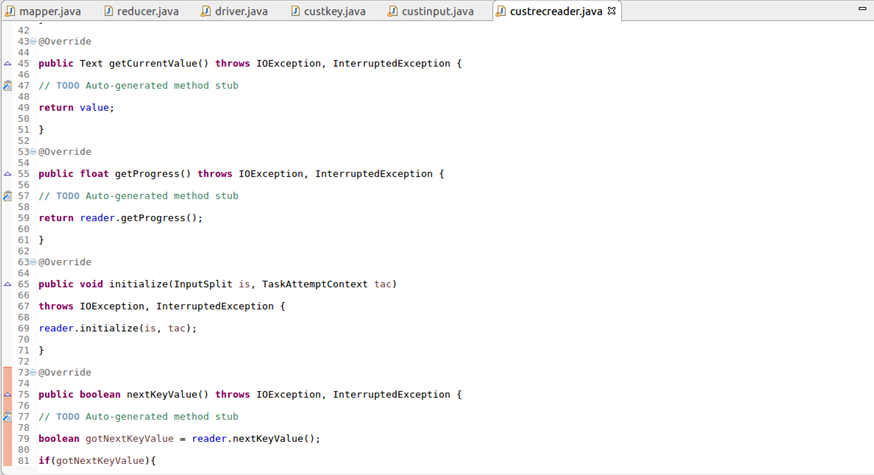
****

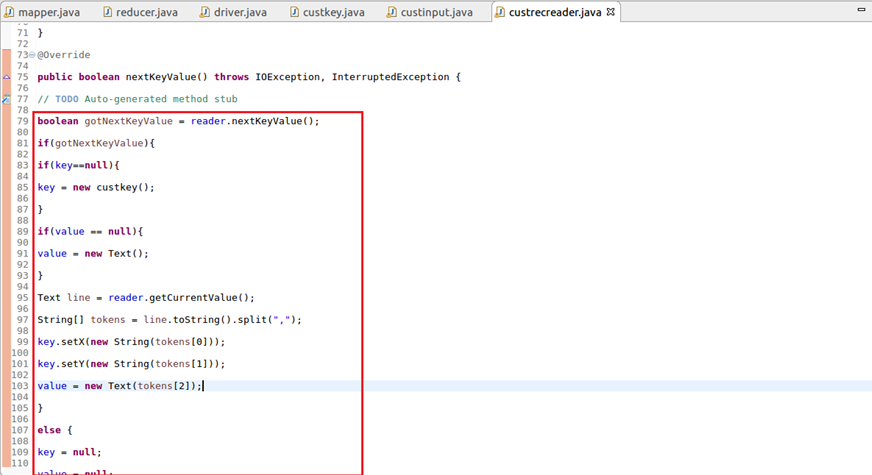
**Custom file format**

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**Custom record reader**

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**Output**

