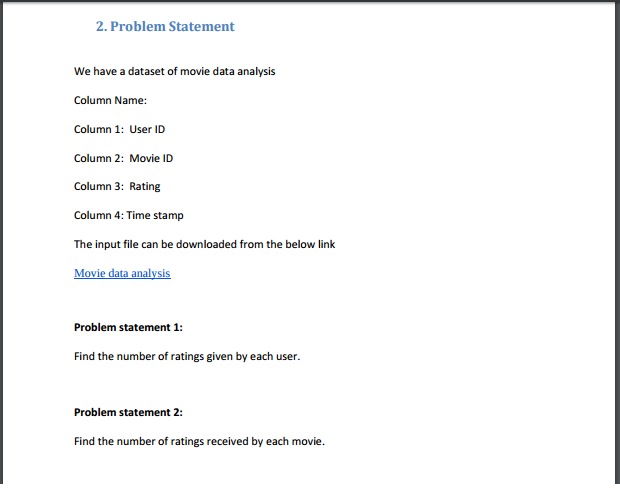
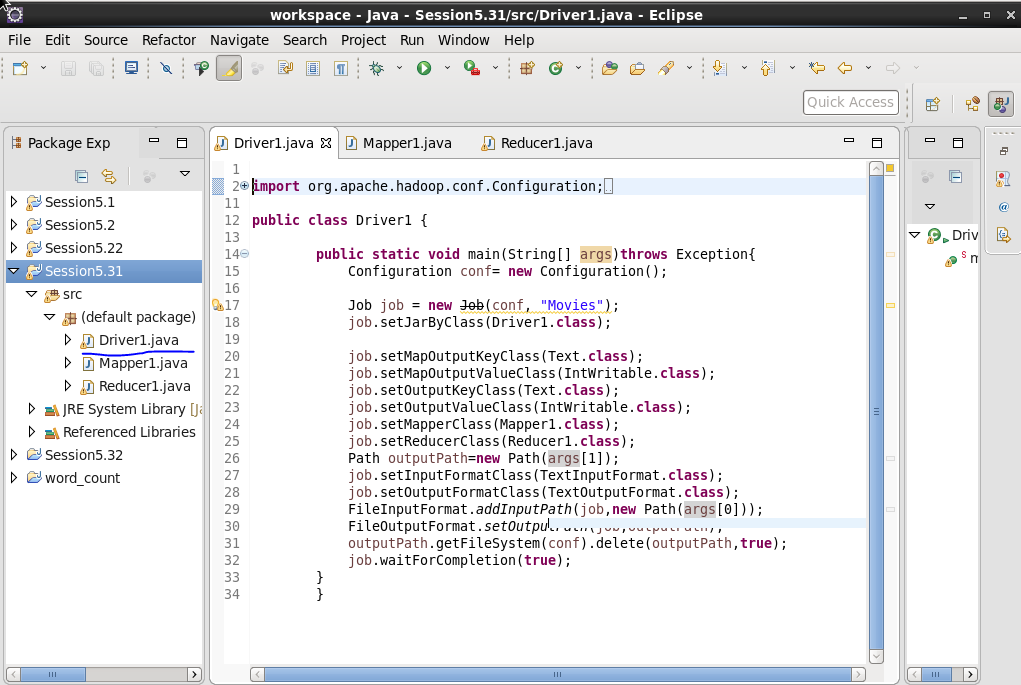
**Session 5 - Assignment 3 >**

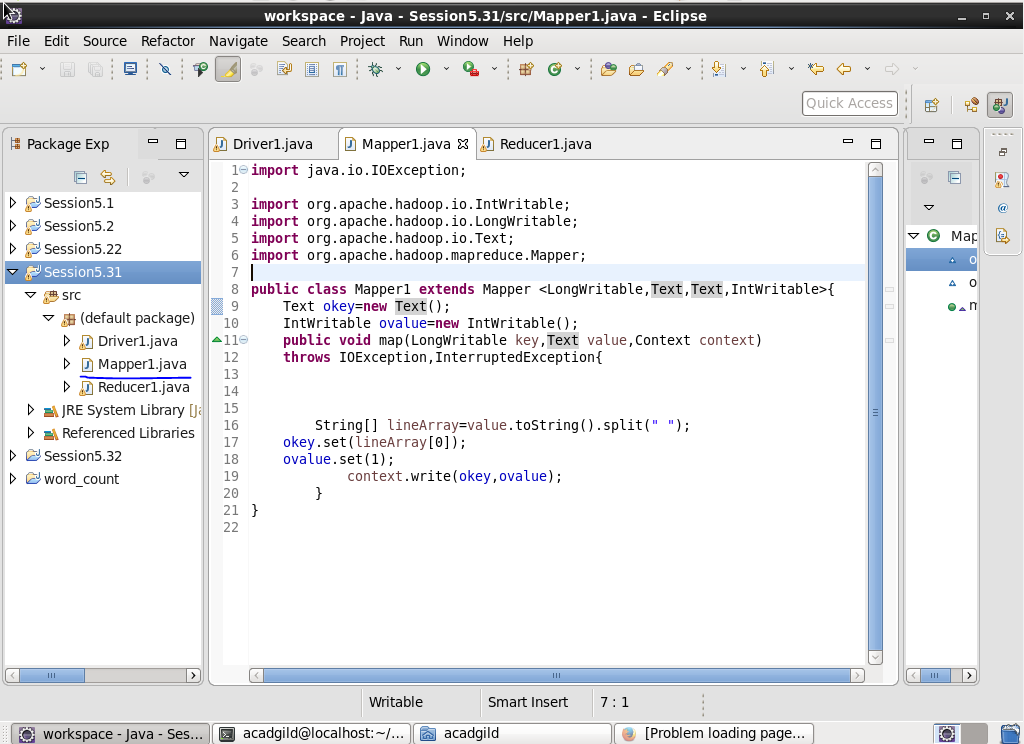


**Problem statement 1 :**

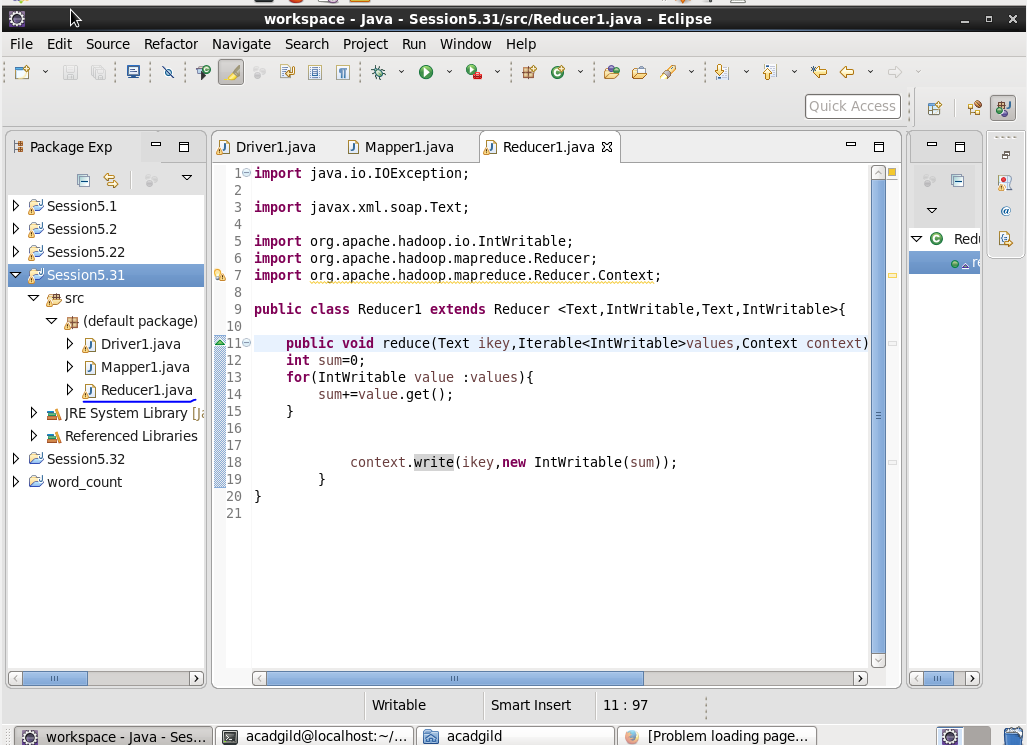
**Code: Driver**



**Code: Mapper**



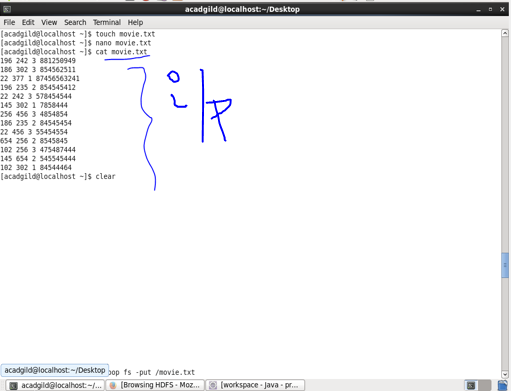
**Code: Reducer**



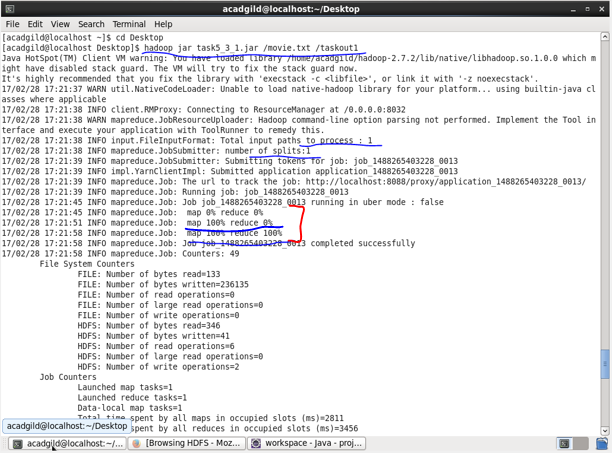
**Input:**

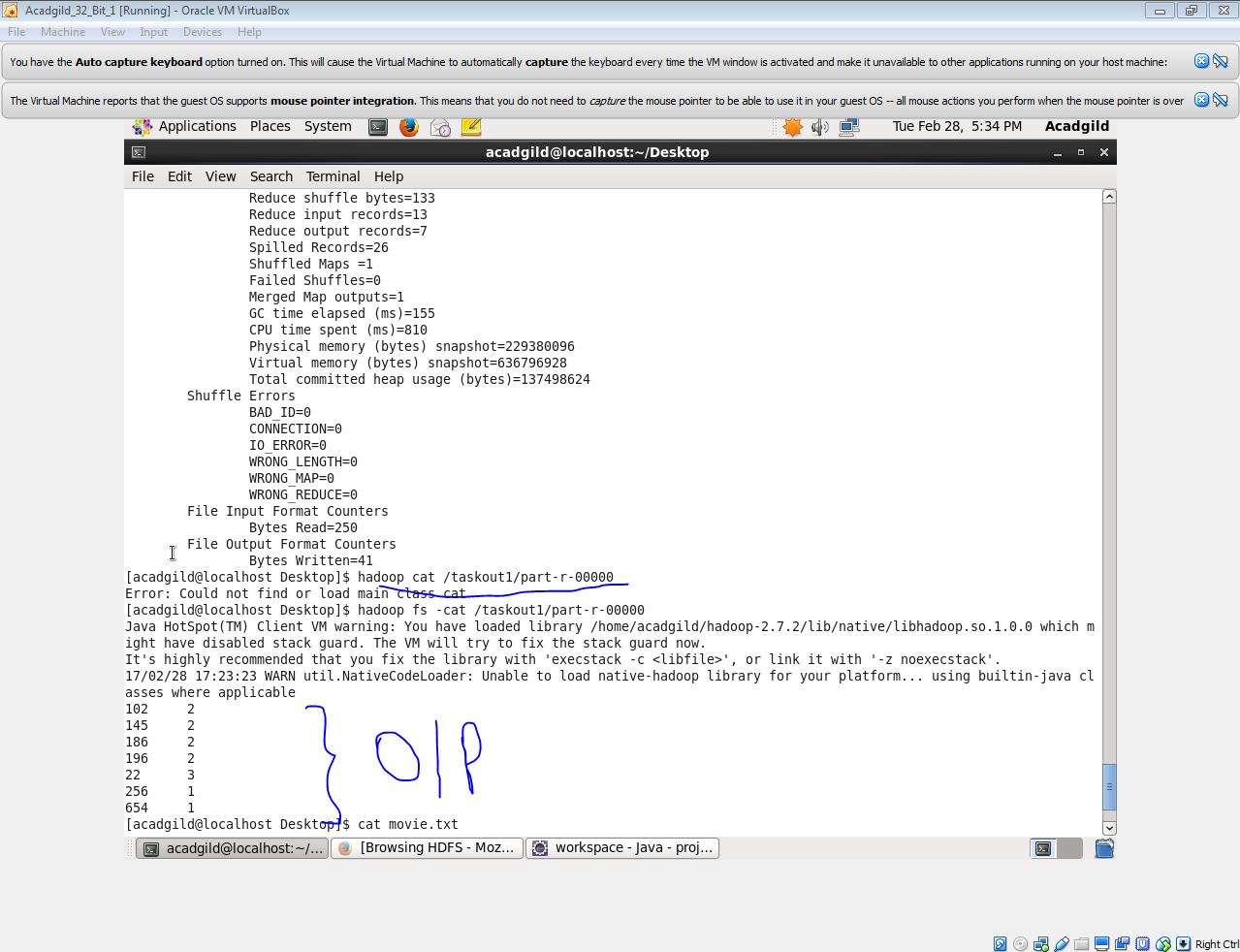
first we need to create a file with he given database, containing with four columns

User ID ,Movie ID , Rating and Time stamp

****

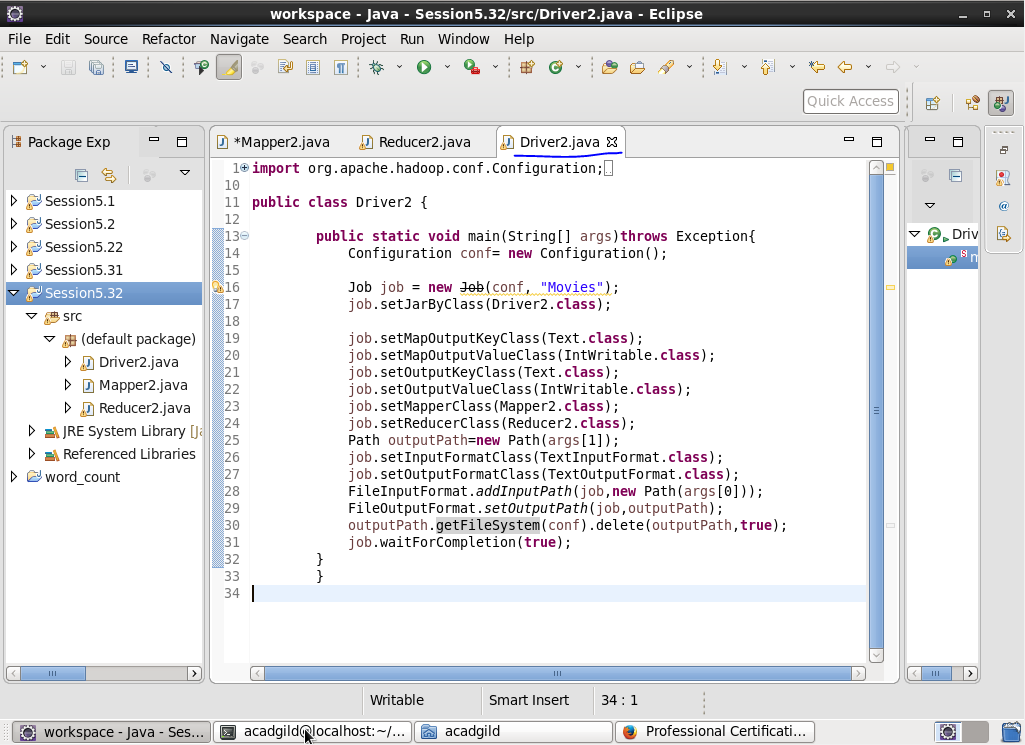
**Output :**



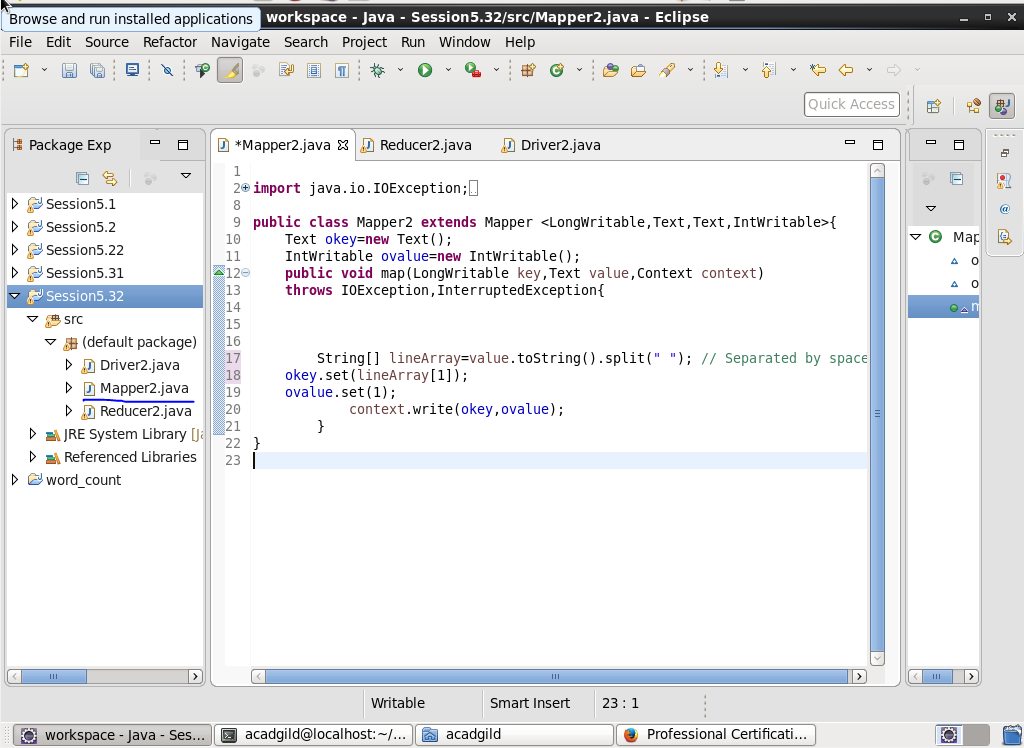
****

**Problem statement 2 :** Find the number of ratings received by each movie.

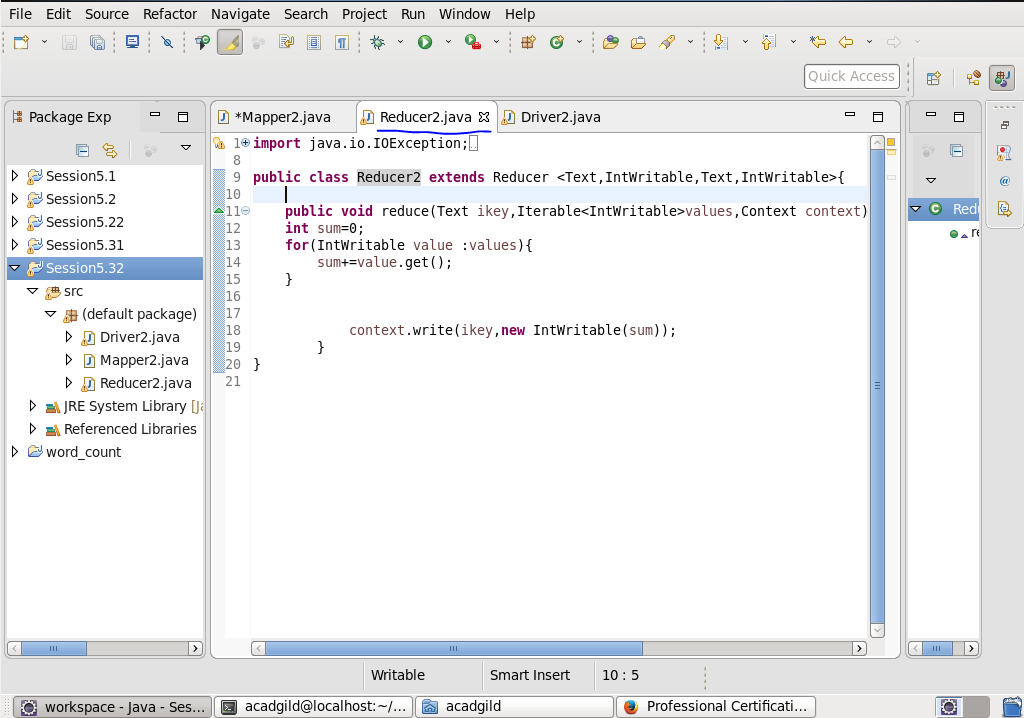
**Code: Driver:**

****

**Code: Mapper:**

****

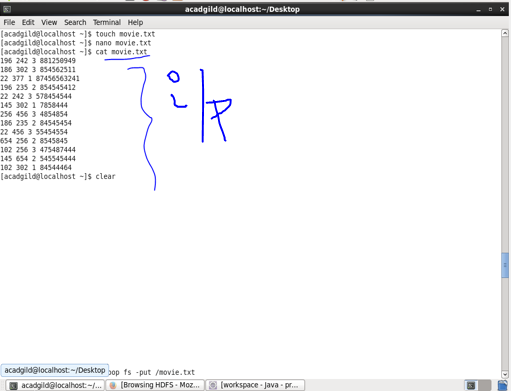
**Code: Reducer:**

****

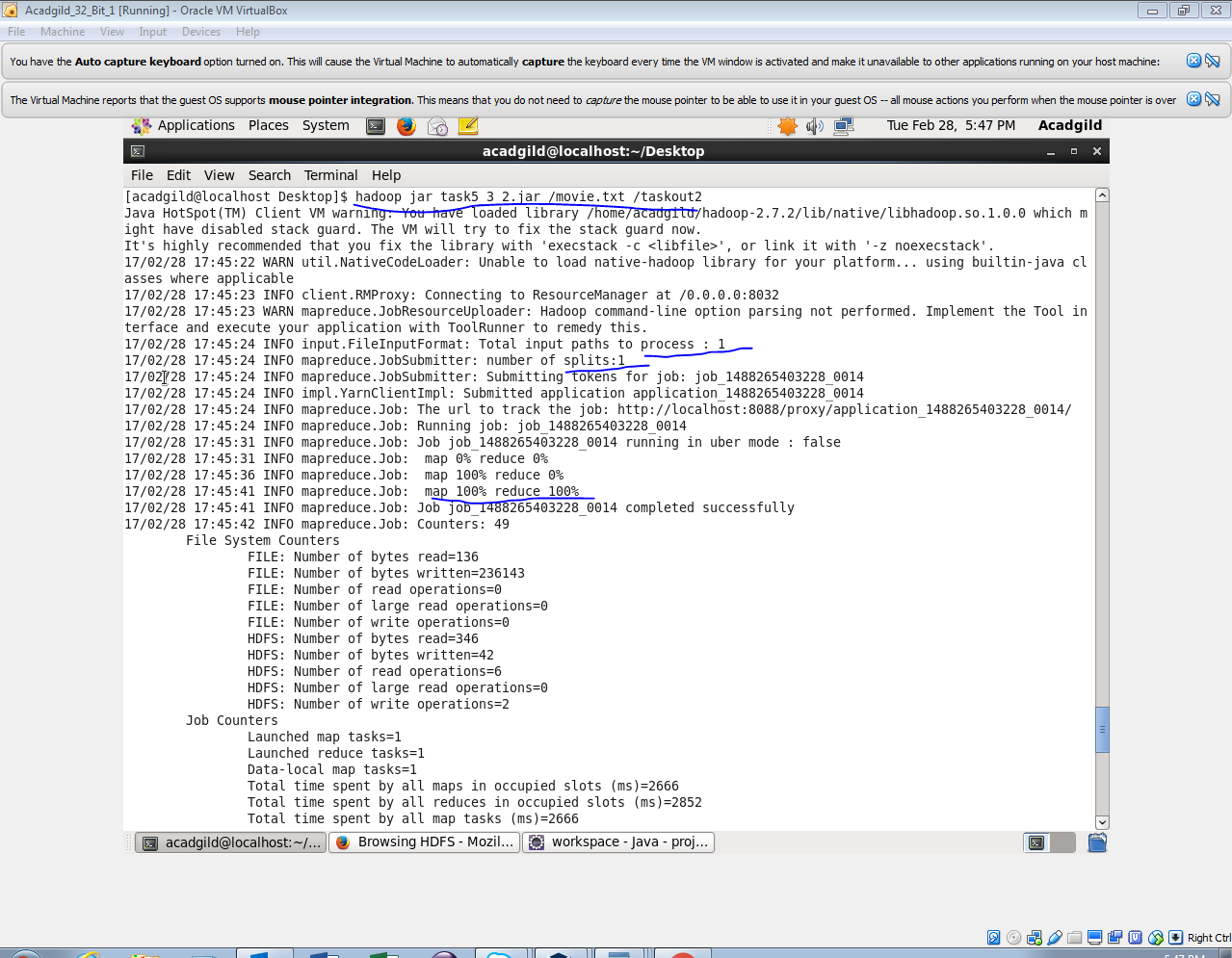
**Input:**

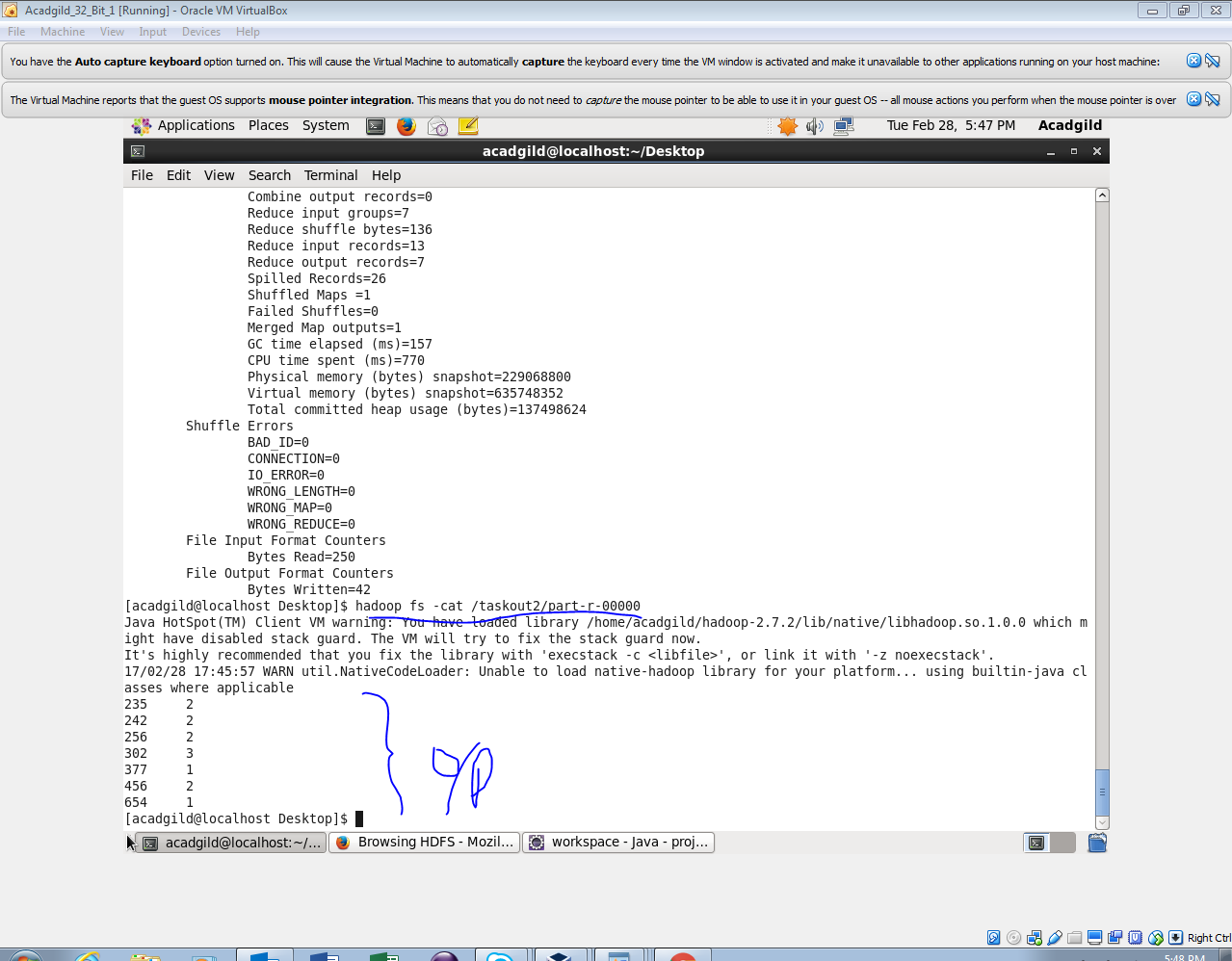
first we need to create a file with he given database, containing with four columns

User ID ,Movie ID , Rating and Time stamp

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**Output:**

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