Below is the script used to finalize the result-

**Pig –x local;**

**emp\_details = LOAD '/home/acadgild/pig/employee\_details.txt' USING PigStorage(',') AS (emp\_id:int, name:chararray, salary:int, rating:int);**

**emp\_expense = LOAD '/home/acadgild/pig/employee\_expenses.txt' USING PigStorage('\t') AS (emp\_id:int, expense:int);**

**joined\_data = JOIN emp\_details by emp\_id, emp\_expense by emp\_id;**

**ordered\_data = ORDER joined\_data BY expense DESC, name ASC;**

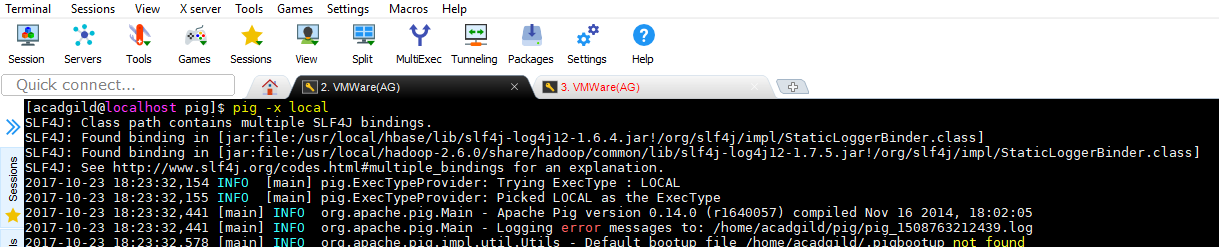
**extract\_id\_name = FOREACH ordered\_data GENERATE $0 AS emp\_id, $1 AS name;**

**Final\_result = LIMIT extract\_id\_name 1;**

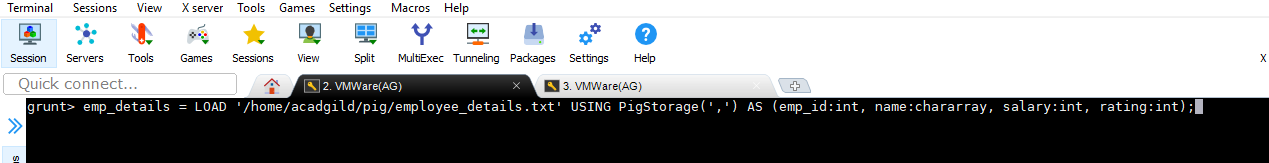
**dump Final\_result;**

Each and every relation has been explained below with its immediate corresponding output-

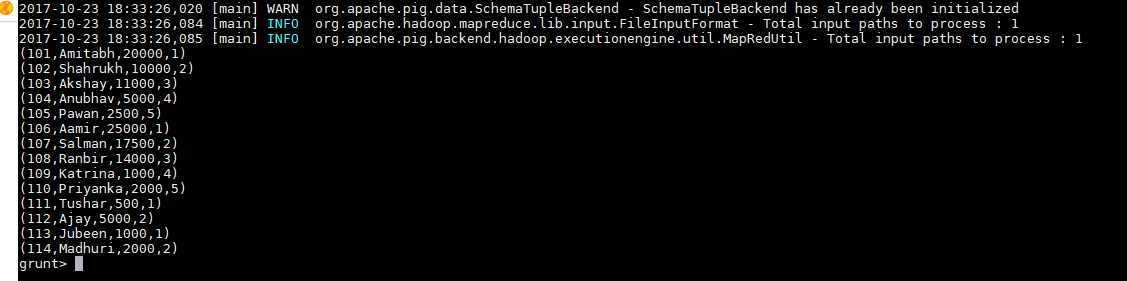
Start pig in local mode-



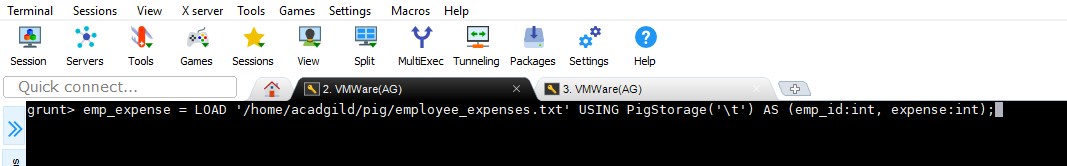
Load the emp\_details.txt file using PigStorage

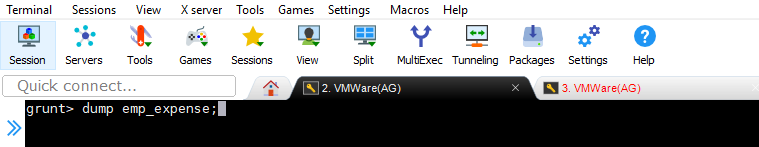


Contents of file-

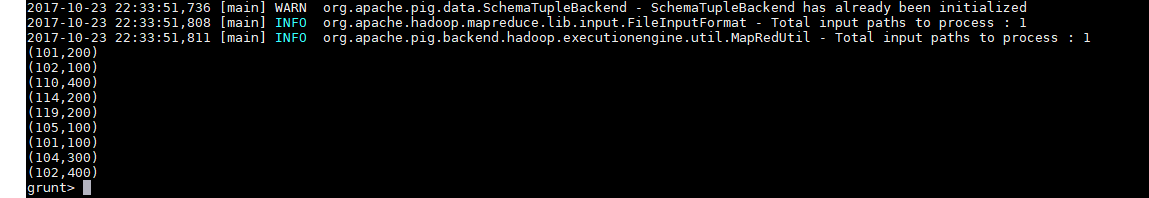


Load the emp\_expense.txt file using PigStorage

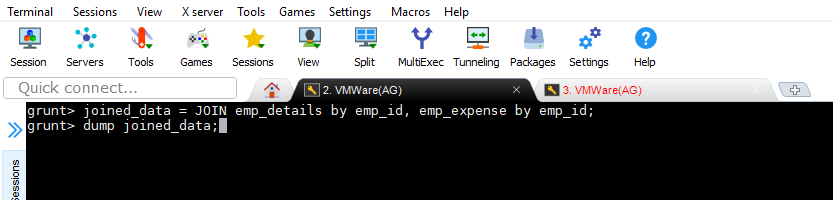




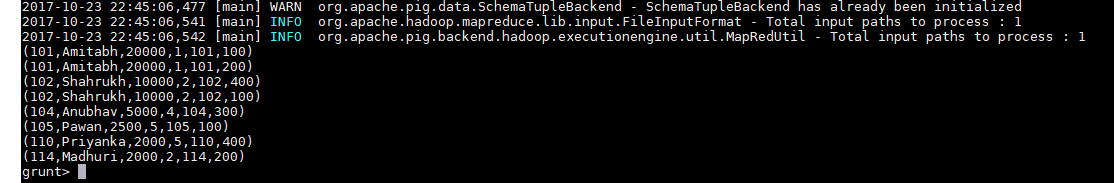
Contents of file-



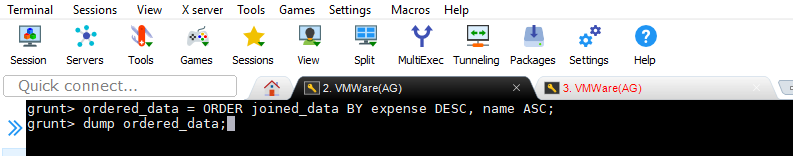
Join both files using JOIN relation-



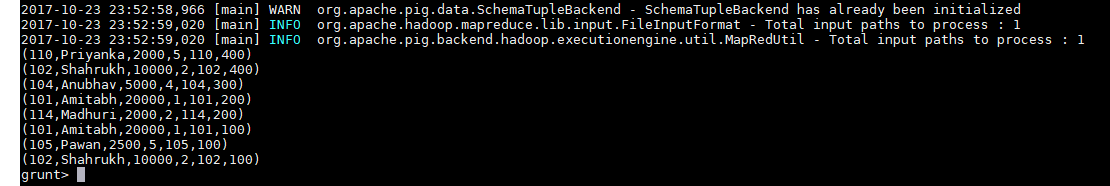
Result after JOIN



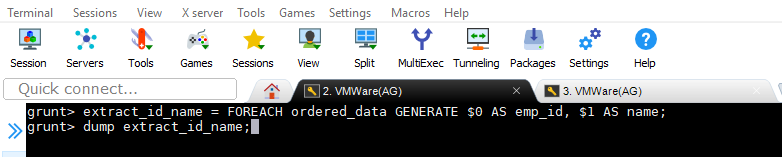
ORDER the JOIN output with expense in Descending order and name in Ascending order to take the name of employee in alphabetic manner with highest expense-

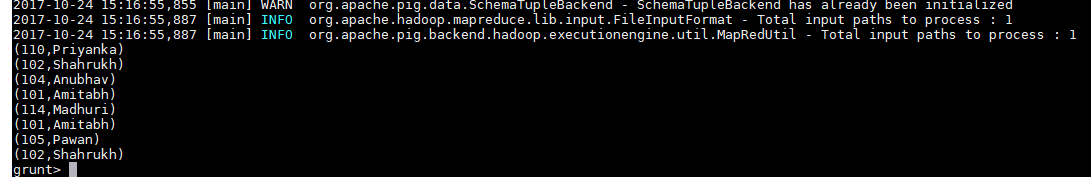


Result

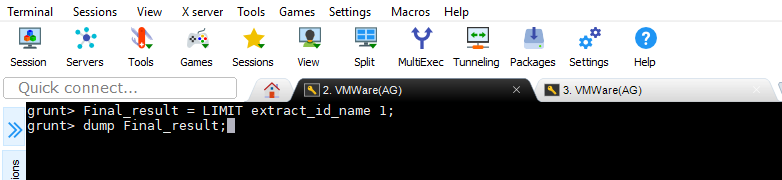


Extract only emp\_id and emp\_name as required -





Select the topmost row using LIMIT-



**Final O/P**

