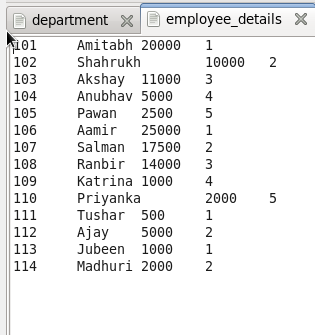
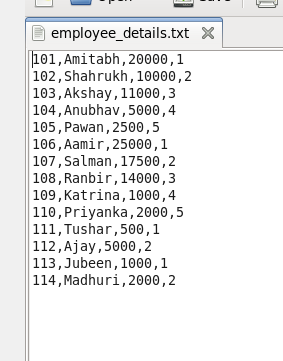
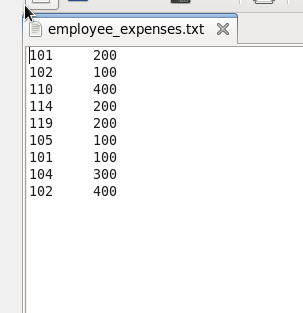
**Assignment 10.3**

***INPUT:***

:   
  




**Question:** Top 5 employees (employee id and employee name) with highest rating. (In case two employees have same rating, employee with name coming first in dictionary should get preference).

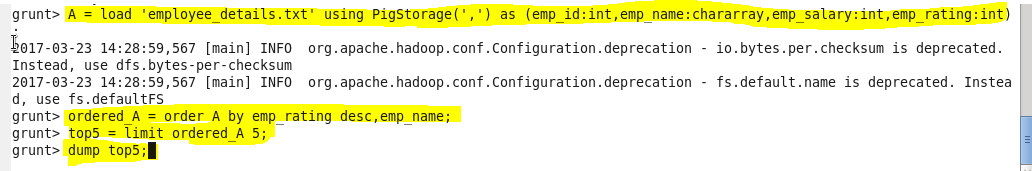
***Code:***

*A = load ‘employee\_details.txt’ using PigStorage(‘,’) as (emp\_id:int,emp\_name:chararray,emp\_salary:int,emp\_rating:int);*

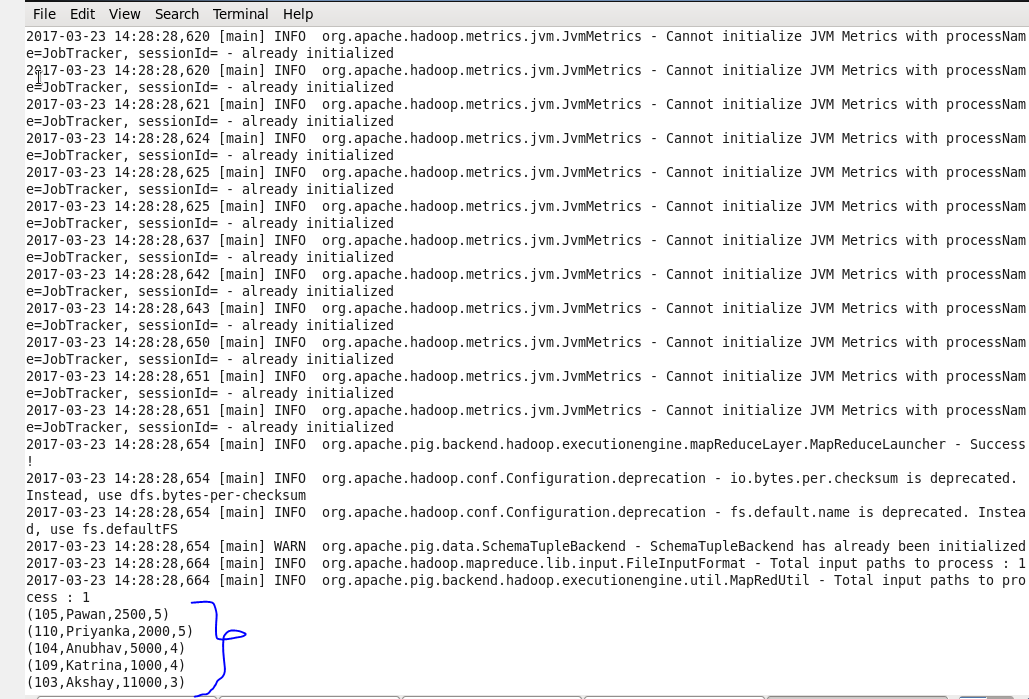
*ordered\_A = order A by emp\_rating desc,emp\_name;*

*top5 = limit ordered\_A 5;*

*dump top5;*



***OUTPUT:***



**Question:** Top 3 employees (employee id and employee name) with highest salary, whose employee id is an odd number. (In case two employees have same salary, employee with name coming first in dictionary should get preference).

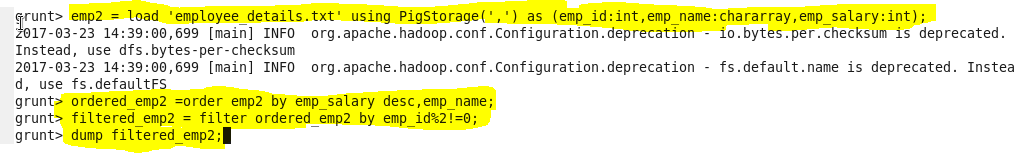
***Code:***

Emp2 = load ‘employee\_details.txt’ using PigStorage(‘,’) as (emp\_id:int,emp\_name:chararray,emp\_salary:int);

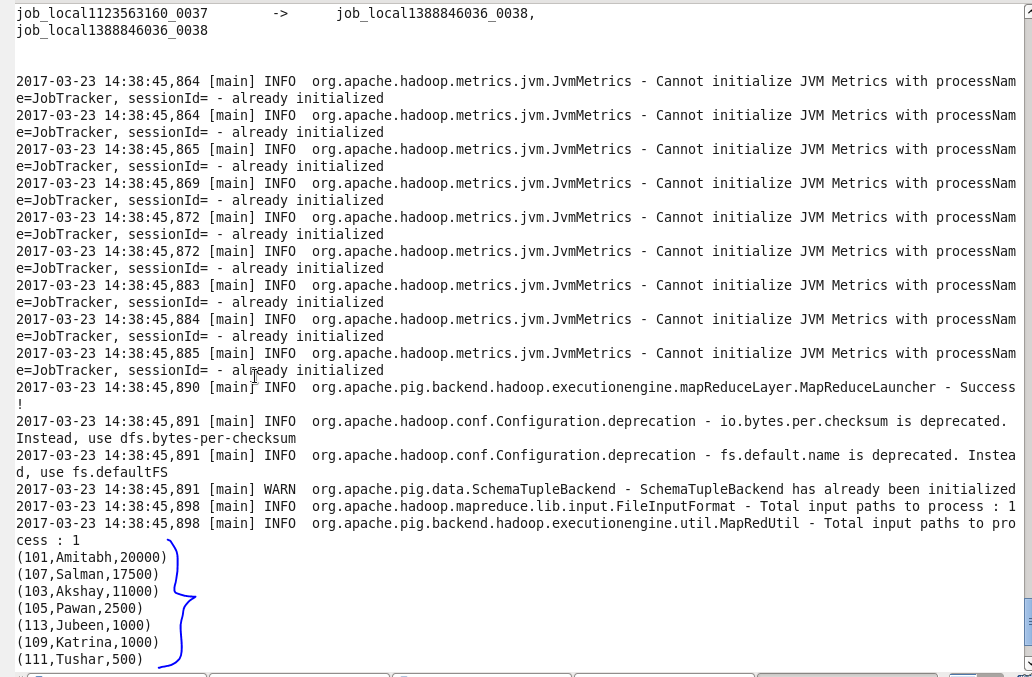
Ordered\_emp2 =order emp2 by emp\_salary desc,emp\_name;

Filtered\_emp2 = FILTER ordered\_emp2 by emp\_id%2!=0;

Dump filtered\_emp2;



**OUTPUT:**



**Question:** Employee (employee id and employee name) with maximum expense (In case two employees have same expense, employee with name coming first in dictionary should get preference.

***Code:***

A = load ‘employee\_details’ using PigStorage(‘\t’) as (emp\_id:int,emp\_name:chararray);

join\_AB = join A by emp\_id,B by emp\_id;

group\_AB = group join\_AB by A::emp\_id;

sum\_AB = FOREACH group\_AB generate group,(join\_AB.name)as name,SUM(join\_AB.expenses) as expenses;

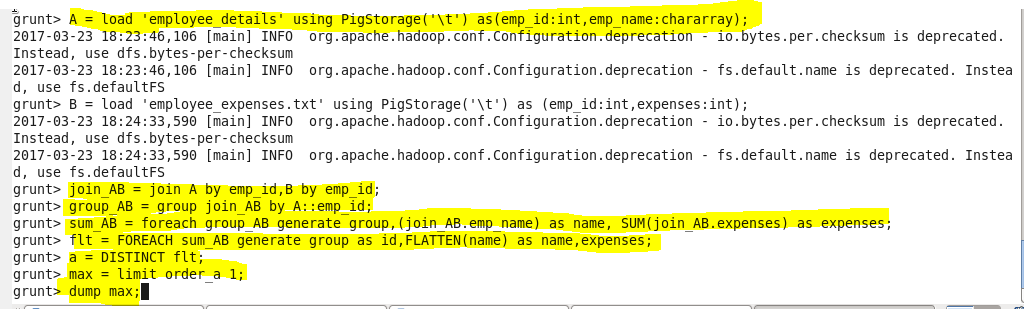
flt = FOREACH sum\_AB generate group as id,FLATTEN(name) as name,expenses;

a =DISTNICT flt;

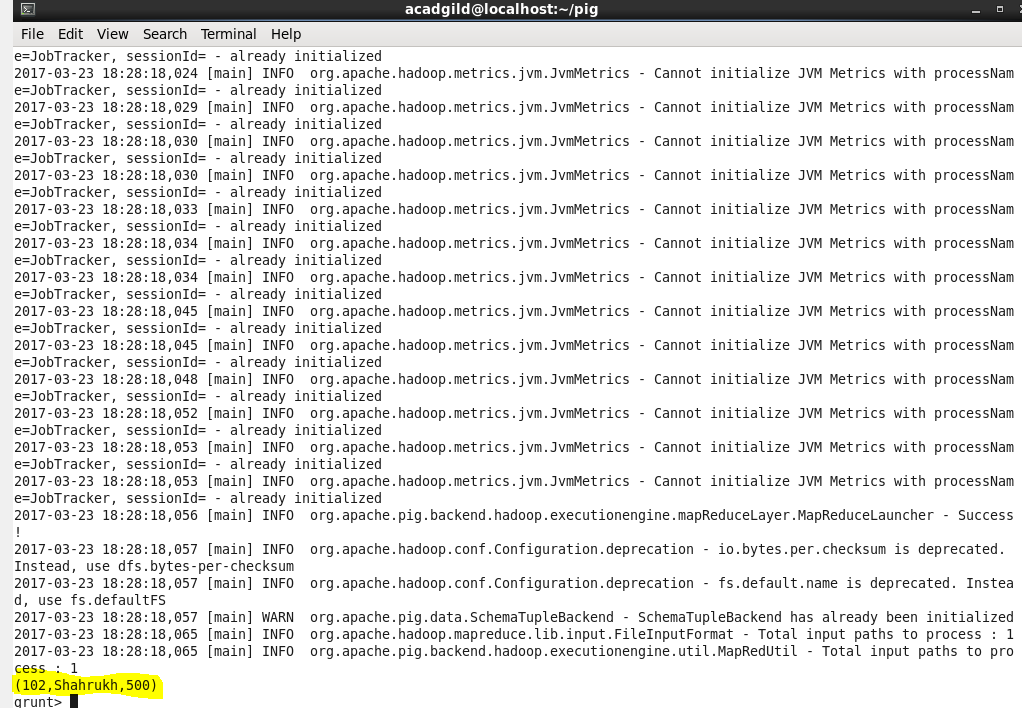
order\_a = order a by expenses;

max = limit order\_a 1;

dump max;



**OUTPUT:**



**Question:** List of employees (employee id and employee name) having entries in employee\_expenses file.

***Code:***

A = load ‘employee\_details’ using PigStorage(‘\t’) as (emp\_id:int,emp\_name:chararray);

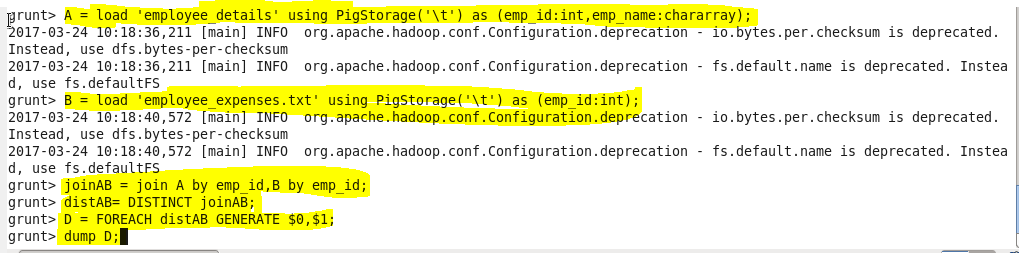
B = load ‘employee\_expenses.txt’ using PigStorage(‘\t’) as (emp\_id:int);

joinAB = join A by emp\_id, B by emp\_id;

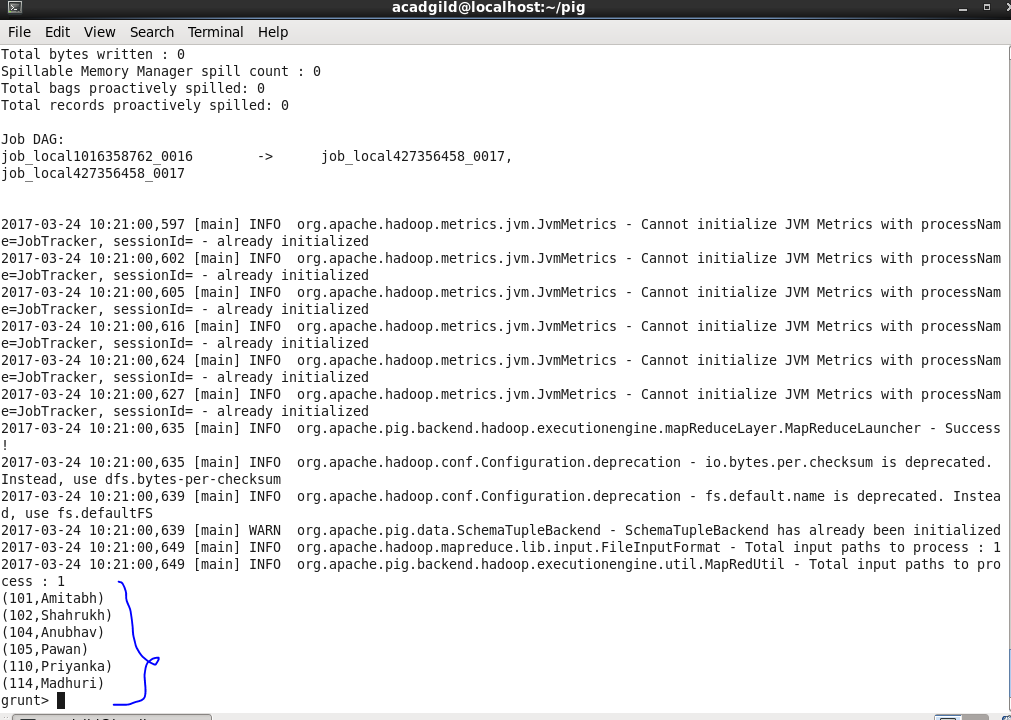
distAB = DISTINCT joinAB;

D = FOREACH distAB generate $0,$1;

Dump D;

****

**OUTPUT:**

****

**Question:** List of employees (employee id and employee name) having no entry in employee\_expenses file

***Code:***

A = load ‘employee\_details’ using PigStorage(‘\t’) as (emp\_id:int,emp\_name:chararray);

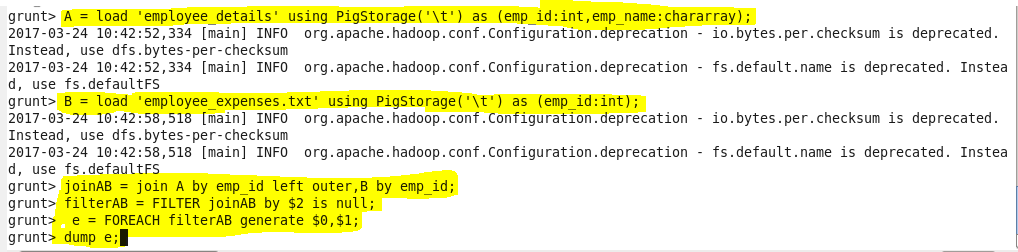
B = load ‘employee\_expenses.txt’ using PigStorage(‘\t’) as (emp\_id:int);

joinAB = join A by emp\_id left outer, B by emp\_id;

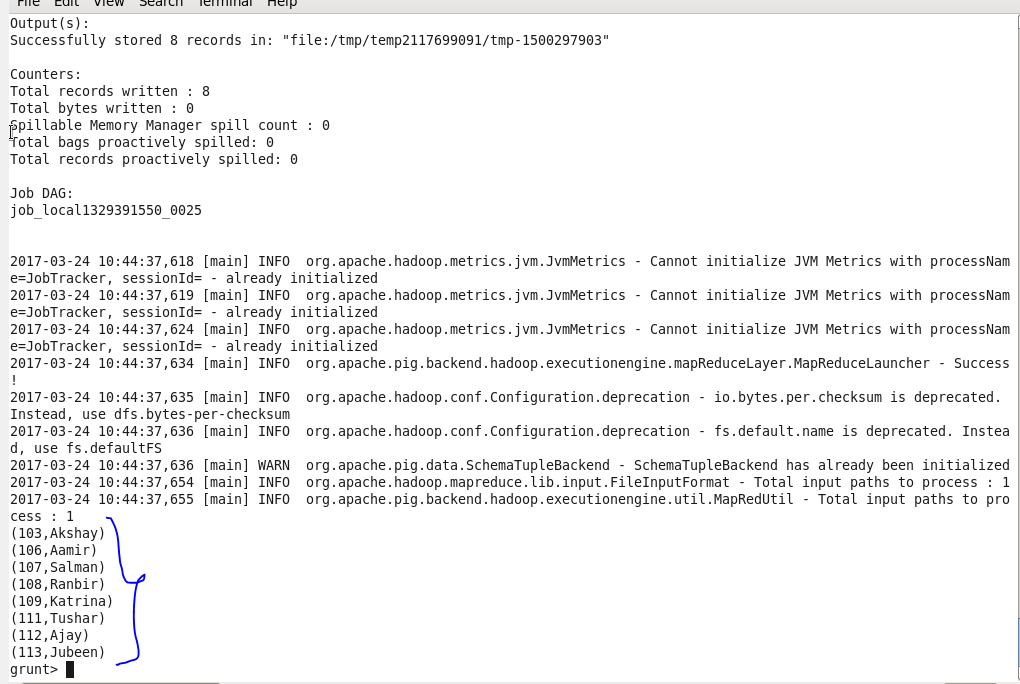
filterAB = FILTER joinAB by $2 is null;

e = FOREACH filterAB generate $0,$1;

dump e;

****

**OUTPUT:**

****