**Assignment 5.1**

1. input\_load = LOAD 'empdetails.txt' USING PigStorage(',')

AS(emp\_id :int,emp\_name:chararray,salary:int,ratings:int);

top\_employees = ORDER input\_load BY emp\_name ASC;

sort = ORDER input\_load BY ratings DESC;

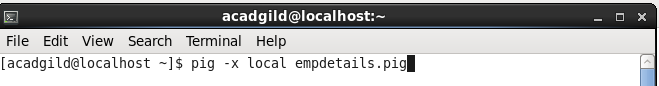
top\_performers = LIMIT sort 5;

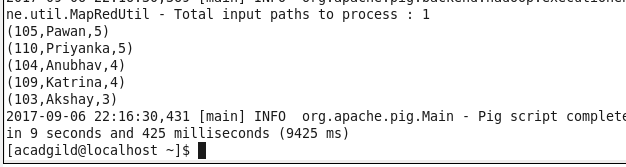
sort = Order top\_performers BY ratings DESC;

each\_demo = FOREACH sort GENERATE emp\_id,emp\_name,ratings ;

DUMP each\_demo;

OUTPUT





1. input\_load = LOAD 'empdetails.txt' USING PigStorage(',')

AS(emp\_id :int,emp\_name:chararray,salary:int,ratings:int);

emp\_salary = ORDER input\_load BY salary DESC;

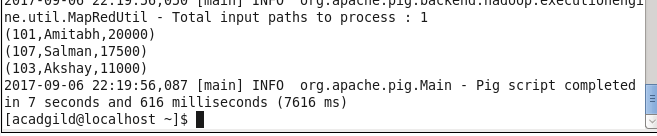
odd\_id = FILTER emp\_salary BY emp\_id % 2 !=0;

limit\_demo = LIMIT odd\_id 3;

each\_demo = FOREACH limit\_demo GENERATE emp\_id,emp\_name,salary ;

DUMP each\_demo;

OUTPUT



3)

input\_load = LOAD 'empdetails.txt' USING PigStorage(',')

AS(emp\_id :int,emp\_name:chararray,salary:int,ratings:int);

input\_expenses = LOAD 'expense.txt' USING PigStorage('\t') AS (id :int, expenses :int);

join\_demo = JOIN input\_load by emp\_id,input\_expenses by id;

group\_demo = GROUP join\_demo BY (id,emp\_name);

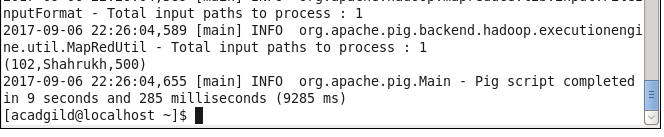
sum\_demo = FOREACH group\_demo GENERATE (group.id,group.emp\_name), SUM(join\_demo.expenses);

flatten\_demo = FOREACH sum\_demo GENERATE flatten($0),flatten($1);

order\_demo = ORDER flatten\_demo BY $2 DESC;

limit\_demo = LIMIT order\_demo 1;

DUMP limit\_demo;



4)

input\_load = LOAD 'empdetails.txt' USING PigStorage(',') AS(emp\_id :int,emp\_name:chararray,salary:int,ratings:int);

input\_expenses = LOAD 'expense.txt' USING PigStorage('\t') AS (id :int, expenses :int);

join\_demo = JOIN input\_load by emp\_id,input\_expenses by id;

group\_demo = GROUP join\_demo BY (id,emp\_name);

sum\_demo = FOREACH group\_demo GENERATE (group.id,group.emp\_name), SUM(join\_demo.expenses);

flatten\_demo = FOREACH sum\_demo GENERATE flatten($0),flatten($1);

order\_demo = ORDER flatten\_demo BY $2 DESC;

DUMP order\_demo;

