**Assignment 5.1**

(a) 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)

**Commands used as follows:**

Emp\_details = LOAD ‘employee\_details’ USING PigStorage(‘,’) AS (emp\_id:int,emp\_name:chararray,emp\_salary:int,emp\_rating:int);

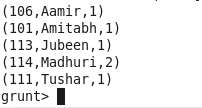
Emp = FOREACH Emp\_details GENERATE emp\_id,emp\_name,emp\_rating;

EMP1 = ORDER Emp BY emp\_name,emp\_rating ASC;

dump EMP1;

Emp2 = LIMIT EMP1 5;

**OUTPUT:**



(b) 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)

**Commands used as follows:**

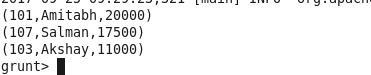
A1 = FOREACH emp\_details GENERATE emp\_id,emp\_name,emp\_salary;

A2 = FILTER A1 BY emp\_id%2 !=0;

A3 = ORDER A2 BY emp\_salary DESC;

A4 = LIMIT A3 3;

dump A4;



(c) 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)

**Commands used are as follows:**

A = LOAD ‘employee\_details.txt’ AS PigStorage(‘,’) AS (emp\_id:int,emp\_name:chararray,emp\_salary:int,emp\_rating:int);

B = LOAD ‘employee\_expenses’ AS (emp\_exp\_id:int,emp\_exp:int);

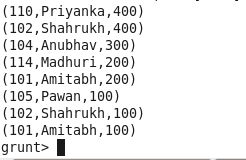
C = JOIN employee\_details BY emp\_id,employee\_expenses BY emp\_exp\_id;

D = FOREACH C GENERATE emp\_id,emp\_name,emp\_exp);

E = ORDER D BY emp\_exp DESC;

dump E;

**OUTPUT:**



(d) List of employees (employee id and employee name) having entries in employee\_expenses

file.

**Commands used as follows:**

A = LOAD ‘employee\_details.txt’ AS PigStorage(‘,’) AS (emp\_id:int,emp\_name:chararray,emp\_salary:int,emp\_rating:int);

B = LOAD ‘employee\_expenses’ AS (emp\_exp\_id:int,emp\_exp:int);

C = JOIN employee\_details BY emp\_id,employee\_expenses BY emp\_exp\_id;

D = FOREACH C GENERATE emp\_id,emp\_name,emp\_exp;

**OUTPUT:**



(e) List of employees (employee id and employee name) having no entry in employee\_expenses

file.

**Commands used as follows:**

A = LOAD ‘employee\_details.txt’ AS PigStorage(‘,’) AS (emp\_id:int,emp\_name:chararray,emp\_salary:int,emp\_rating:int);

B = LOAD ‘employee\_expenses’ AS (emp\_exp\_id:int,emp\_exp:int);

C = JOIN A BY emp\_id,B BY emp\_exp;

D = FOREACH C GENERATE emp\_id,emp\_name,emp\_exp;

dump D;

**OUTPUT:**

