# Session 7 ASSIGNMENT 2

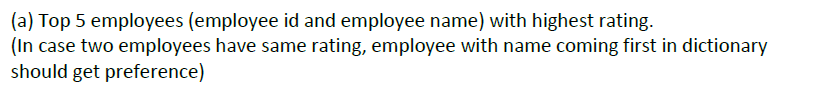
## Initial data setup:

PIG -x local;

emp\_det = LOAD '/home/acadgild/workspace/mywork/Session7/employee\_details.txt' USING PigStorage(',') AS (id:int, name:chararray, salary:float, rating:int);

emp\_expns = LOAD '/home/acadgild/workspace/mywork/Session7/employee\_expenses.txt' USING PigStorage('\t') AS (id:int, expenses:float);

## Tasks:



### Solution A:

emp\_det\_rating\_name = ORDER emp\_det BY rating ASC, name ASC;

top5\_emp\_det\_rating\_name = LIMIT emp\_det\_rating\_name 5;

result = FOREACH top5\_emp\_det\_rating\_name GENERATE id, name;

DUMP result;

Output:

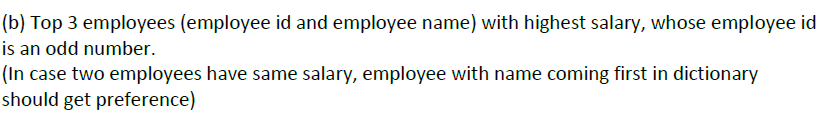
(106,Aamir)

(101,Amitabh)

(113,Jubeen)

(111,Tushar)

(112,Ajay)



### Solution B:

x = FILTER emp\_det BY id%2==1;

emp\_salary\_highest = ORDER x BY salary DESC;

Top3\_emp\_salary = LIMIT emp\_salary\_highest 3;

result = FOREACH Top3\_emp\_salary GENERATE id, name;

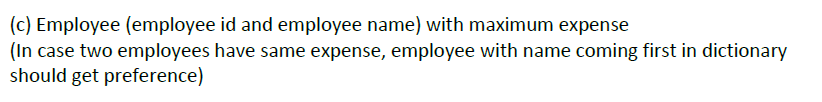
DUMP result;

Output:

(101,Amitabh)

(107,Salman)

(103,Akshay)



### Solution C:

emp\_det\_expns = JOIN emp\_det BY id, emp\_expns BY id;

emp\_max\_expns = ORDER emp\_det\_expns BY expenses DESC, name ASC;

result = FOREACH emp\_max\_expns GENERATE emp\_det::id, name;

DUMP result;

(110,Priyanka)

(102,Shahrukh)

(104,Anubhav)

(101,Amitabh)

(114,Madhuri)

(101,Amitabh)

(105,Pawan)

(102,Shahrukh)



### Solution D:

emp\_det\_expns = JOIN emp\_det BY id, emp\_expns BY id;

result = FOREACH emp\_det\_expns GENERATE id, name;

DUMP result;

(110,Priyanka)

(102,Shahrukh)

(104,Anubhav)

(101,Amitabh)

(114,Madhuri)

(101,Amitabh)

(105,Pawan)

(102,Shahrukh)



### Solution E:

emp\_left\_outer = JOIN emp\_det BY id LEFT OUTER, emp\_expns BY id;

GH = FILTER emp\_left\_outer BY emp\_expnx::id>0;

result = FOREACH GH GENERATE id, name;

resultDistinct = DISTINCT result;

DUMP resultDistinct;

(101,Amitabh)

(102,Shahrukh)

(104,Anubhav)

(105,Pawan)

(110,Priyanka)

(114,Madhuri)