Assignment 51

Problem 1. 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 :

emp\_deatils = LOAD '/user/acadgild/hadoop/emp\_deatils.txt' USING PigStorage(',') as (id:int,Name:chararray,Sal:float,Rating:int);

emp\_details\_name = ORDER emp\_details BY Rating DESC;

Limit\_data = LIMIT emp\_details\_name 5;

DUMP Limit\_data;

Problem 2: 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:

emp\_deatils = LOAD '/user/acadgild/hadoop/emp\_deatils.txt' USING PigStorage(',') as (id:int,Name:chararray,Sal:float,Rating:int);

emp\_details\_name = ORDER emp\_details BY Sal DESC;

Split emp\_details\_name into Sal\_result if(id%2 != 0)

Limit\_data = LIMIT Sal\_result 3;

DUMP Limit\_data;

Problem 3: 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:

em\_exp = LOAD '/user/acadgild/hadoop/emp\_exp.txt' USING PigStorage(',') as (id:int,exp:int);

emp\_odd\_filter = ORDER emp\_details BY exp DESC;

emp\_exp\_name = Limit emp\_odd\_filter 1;

B = LOAD '/user/acadgild/emp\_details.txt' USING PigStorage(',') as {id:int,Name:chararray,Sal:int,rating:int};

result = JOIN B BY id, emp\_exp\_name BY id;

DUMP result;

Problem 4: List of employees (employee id and employee name) having entries in employee\_expenses file.

Code:

B = LOAD '/user/acadgild/emp\_details.txt' USING PigStorage(',') as {id:int,Name:chararray,Sal:int,rating:int};

C = LOAD '/user/acadgild/emp\_exp.txt' USING PigStorage(',') as {id:int,exp:int};

result = JOIN B BY id, C BY id;

DUMP result;

Problem 5: List of employees (employee id and employee name) having no entry in employee\_expenses file.

Code:

B = LOAD '/user/acadgild/emp\_details.txt' USING PigStorage(',') as {id:int,Name:chararray,Sal:int,rating:int};

C = LOAD '/user/acadgild/emp\_exp.txt' USING PigStorage(',') as {id:int,exp:int};

outer\_left = JOIN B BY id LEFT OUTER, C BY id;

result1 = filter outer\_left BY exp == '';

DUMP result1;