USE custom;

CREATE TABLE emp\_sal

(

emp\_id int,

emp\_name string,

emp\_salary int,

emp\_unit string

)

ROW FORMAT DELIMITED

fields terminated by '\t';

LOAD DATA LOCAL INPATH '/home/acadgild/hive/Emp\_Sal.txt' OVERWRITE INTO TABLE emp\_sal;

**Problem 1**

Get a list of employees who receive a salary less than **5**, compared to their immediate employee with higher salary in the same unit

**(Note: Instead of using a difference of 100, salary difference is used as 5, to get the result as there is no record which is having a difference of 100.)**

SELECT emp\_id, emp\_name, emp\_salary, emp\_unit, (lead\_salary - emp\_salary) AS diff\_salary FROM

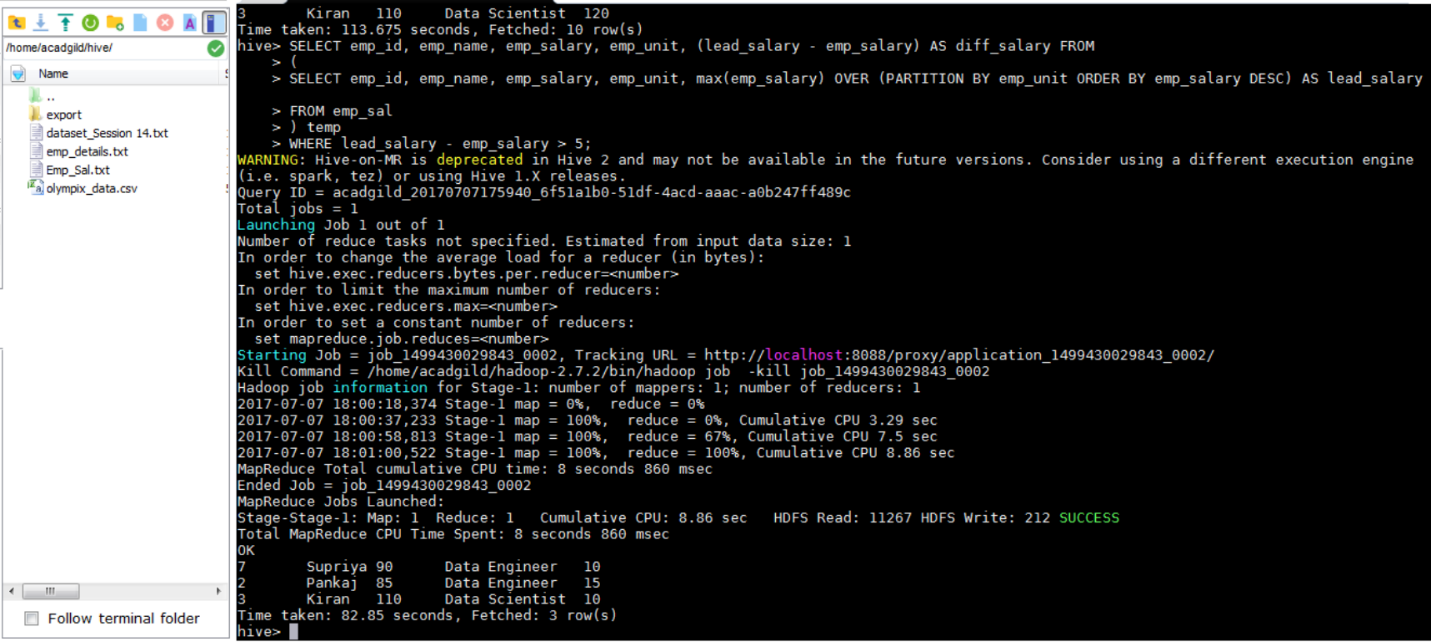
(

SELECT emp\_id, emp\_name, emp\_salary, emp\_unit, max(emp\_salary) OVER (PARTITION BY emp\_unit ORDER BY emp\_salary DESC) AS lead\_salary

FROM emp\_sal

) temp

WHERE lead\_salary - emp\_salary > 5;



**Problem 2**

List of all employees who draw higher salary than the average salary of that department

SELECT emp\_name, emp\_salary, emp\_unit, avg\_salary

FROM

(

SELECT avg(emp\_salary) OVER (PARTITION BY emp\_unit) AS avg\_salary, emp\_id, emp\_name, emp\_salary, emp\_unit

FROM emp\_sal

) temp

WHERE emp\_salary > avg\_salary;

