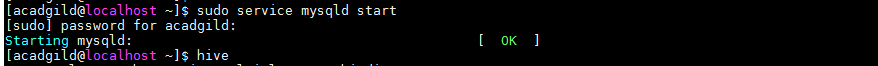
**Assignment 8.1:**

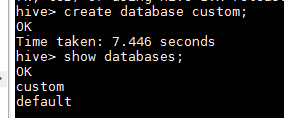
* Get a list of employees who receive a salary less than 100, compared to their immediate employee with higher salary in the same unit.

Prerequisites:

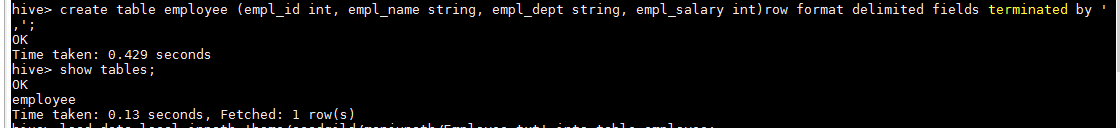
* start all the services: start-all.sh
* start mysql: sudo service mysqld start
* start hive: hive
* create database: create database custom;
* use database: use custom;



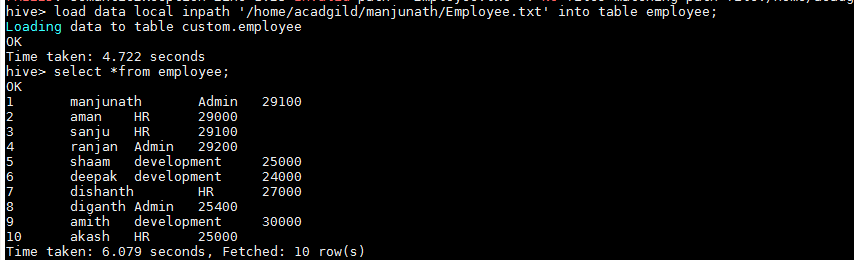




Create employee table:

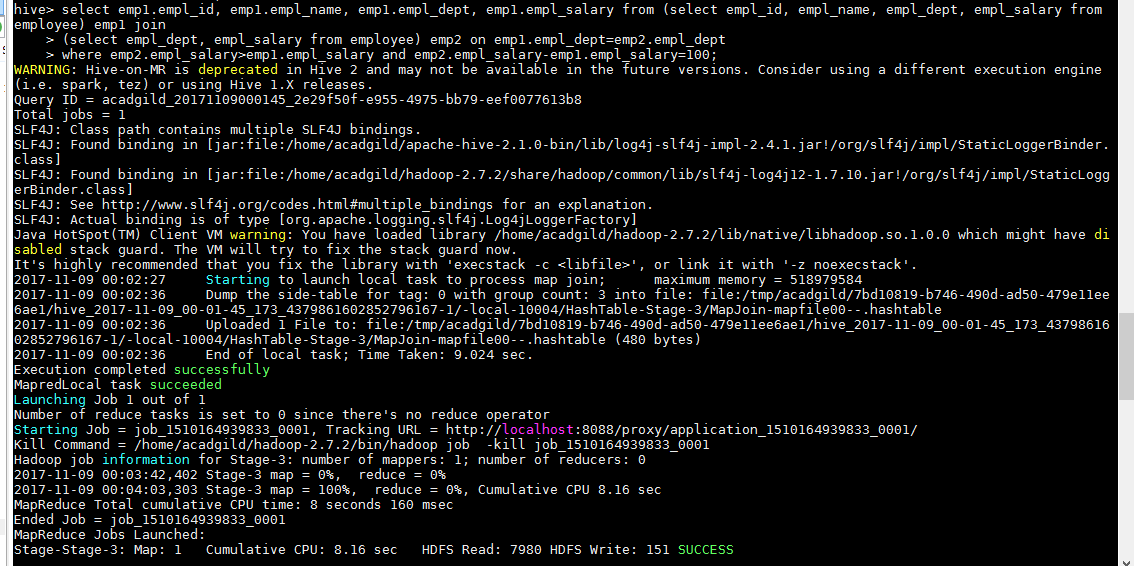


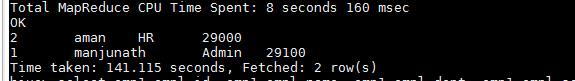
Load data into the table:



* Get a list of employees who receive a salary less than 100, compared to their immediate employee with higher salary in the same unit

select emp1.empl\_id, emp1.empl\_name, emp1.empl\_dept, emp1.empl\_salary from (select empl\_id, empl\_name, empl\_dept, empl\_salary from employee) emp1 join (select empl\_dept, empl\_salary from employee) emp2 on emp1.empl\_dept=emp2.empl\_dept where emp2.empl\_salary>emp1.empl\_salary and emp2.empl\_salary-emp1.empl\_salary=100;





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

select emp1.empl\_id, emp1.empl\_name, emp1.empl\_dept, emp1.empl\_salary, emp2.empl\_salary from (select empl\_id, empl\_name, empl\_dept, empl\_salary from employee) emp1 join (select empl\_dept, avg(empl\_salary) empl\_salary from employee group by empl\_dept) emp2 on emp1.empl\_dept=emp2.empl\_dept where emp1.empl\_salary>emp2.empl\_salary;

