**BDA LAB**

**Hive Program**

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**1. Write Queries in Hive to do the following – (19s/12/2020)**

**i.** **Create an external table named with the following attributes -> Empl\_ID - >Emp\_Name -> Designation -> Salary**

Query :

CREATE DATABASE IF NOT EXISTS EMPLOYEE COMMENT 'EMPLOYEE Details' WITH DBPROPERTIES('creator'='Abc');

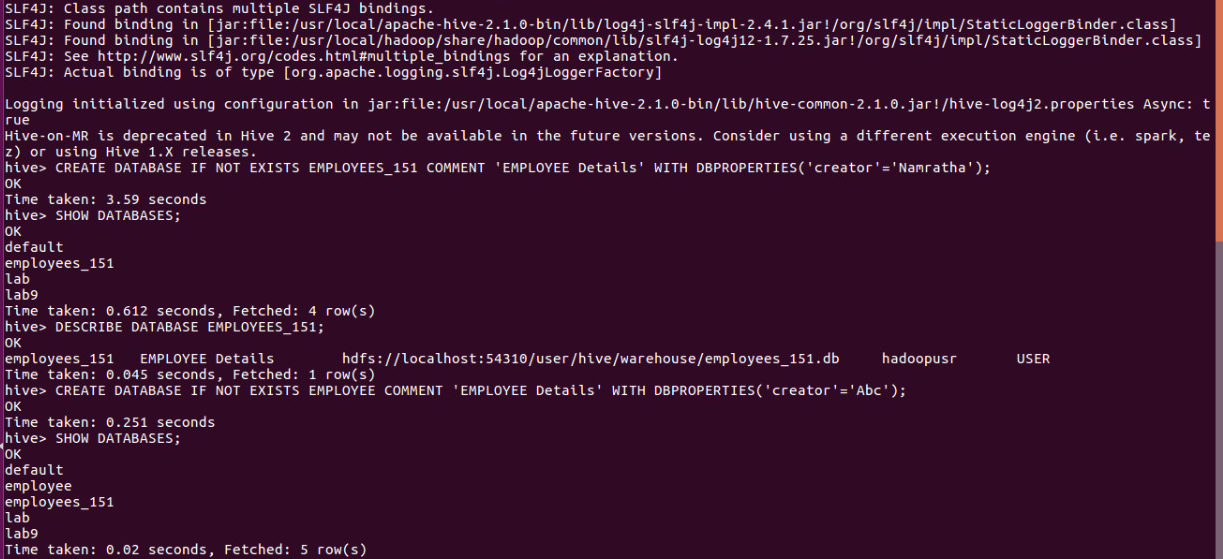
SHOW DATABASES;

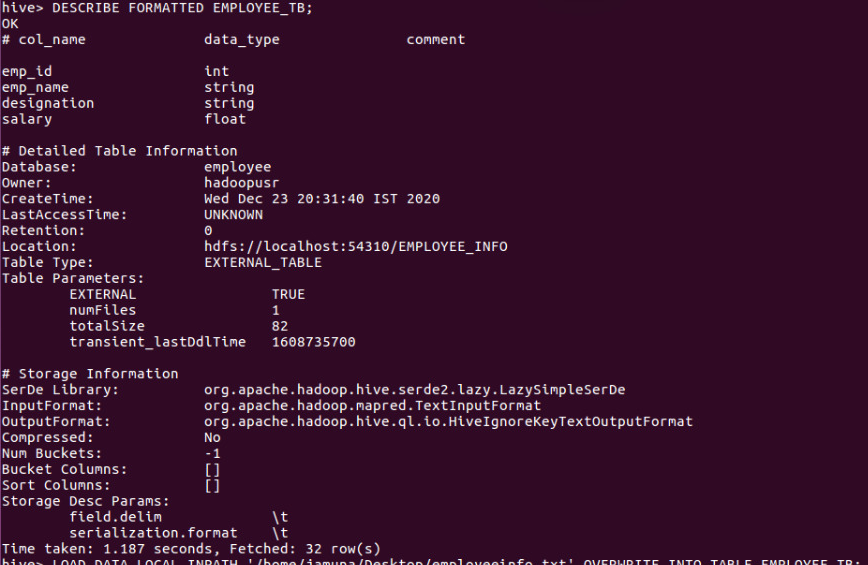
DESCRIBE DATABASE EMPLOYEE;

USE EMPLOYEE;

CREATE EXTERNAL TABLE IF NOT EXISTS EMPLOYEE\_TB (Emp\_ID INT,Emp\_Name STRING,Designation STRING,Salary FLOAT) ROW FORMAT DELIMITED FIELDS TERMINATED BY '\t' LOCATION '/EMPLOYEE\_INFO';

DESCRIBE FORMATTED EMPLOYEE\_TB;



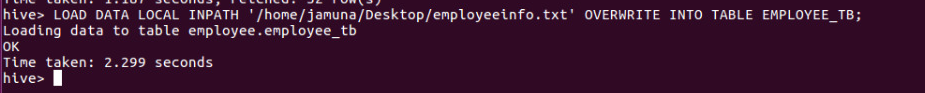


**ii. Load data into table from a given file**

Query :

LOAD DATA LOCAL INPATH '/home/jamuna/Desktop/employeeinfo.txt' OVERWRITE INTO TABLE EMPLOYEE\_TB;

SELECT \* FROM EMPLOYEE\_TB;

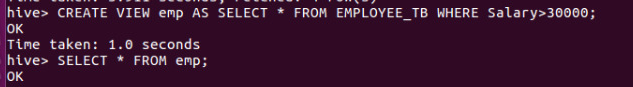


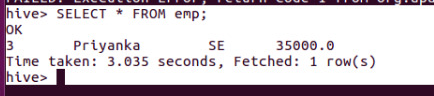
**iii. Create a view to Generate a query to retrieve the employee details who earn a salary of more than Rs 30000**

Query :

CREATE VIEW emp AS SELECT \* FROM EMPLOYEE\_TB WHERE Salary>30000;

SELECT \* FROM emp;





**iv. Alter the table to add a column Dept\_Id and Generate a query to retrieve the employee details in order by using Dept\_Id**

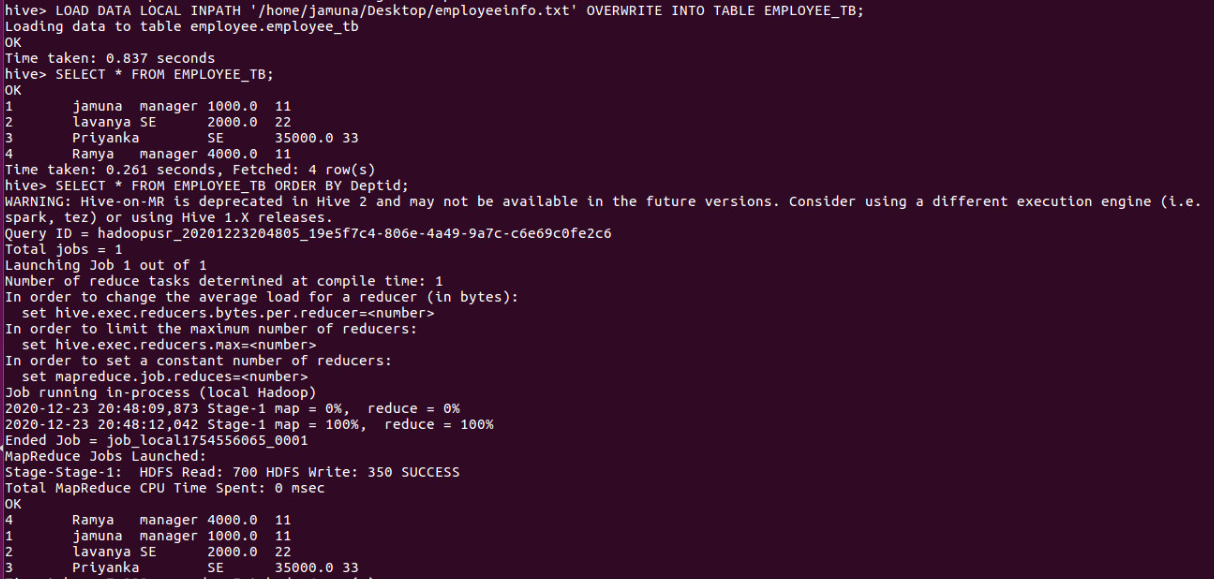
Query :

ALTER TABLE EMPLOYEE\_TB ADD COLUMNS(DeptiD INT);

LOAD DATA LOCAL INPATH '/home/jamuna/Desktop/employeeinfo.txt' OVERWRITE INTO TABLE EMPLOYEE\_TB;

SELECT \* FROM EMPLOYEE\_TB;

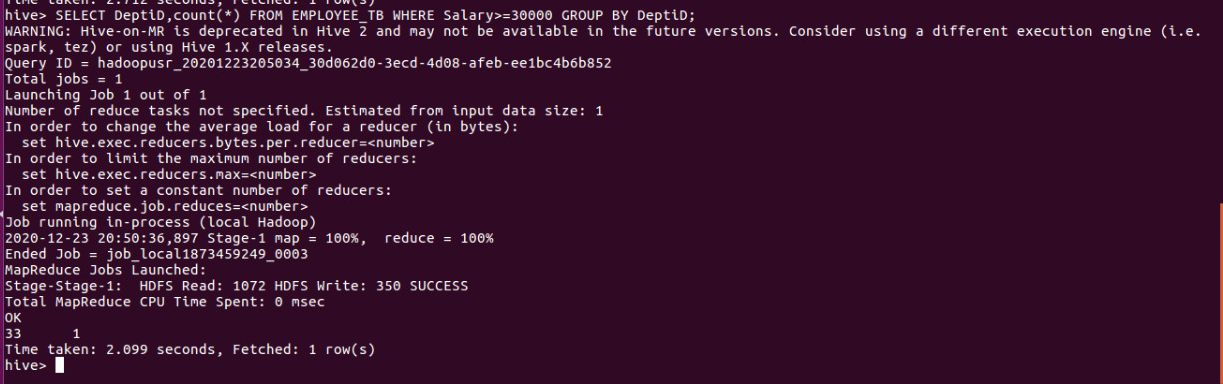
SELECT \* FROM EMPLOYEE\_TB ORDER BY Deptid;



**v. Generate a query to retrieve the number of employees in each department whose salary is greater than 30000**

Query :

SELECT DeptiD,count(\*) FROM EMPLOYEE\_TB WHERE Salary>=30000 GROUP BY DeptiD;



**vi. Create another table Department with attributes -> Dept\_Id ->Dept\_name -**

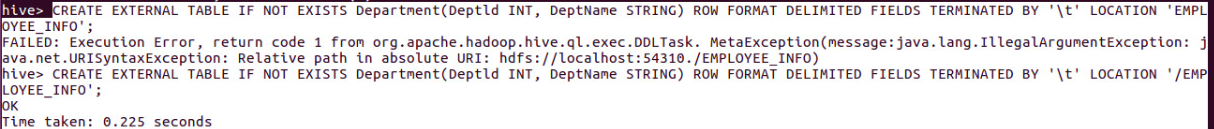
**>Emp\_Id**

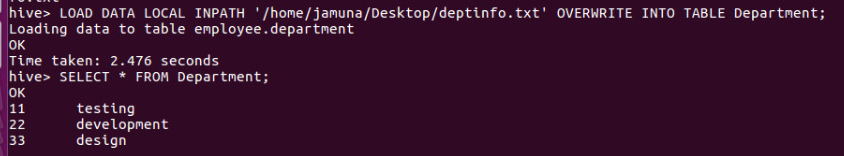
Query :

CREATE EXTERNAL TABLE IF NOT EXISTS Department(Deptld INT, DeptName STRING) ROW FORMAT DELIMITED FIELDS TERMINATED BY '\t' LOCATION '/EMPLOYEE\_INFO';

LOAD DATA LOCAL INPATH '/home/jamuna/Desktop/deptinfo.txt' OVERWRITE INTO TABLE Department;

SELECT \* FROM Department;

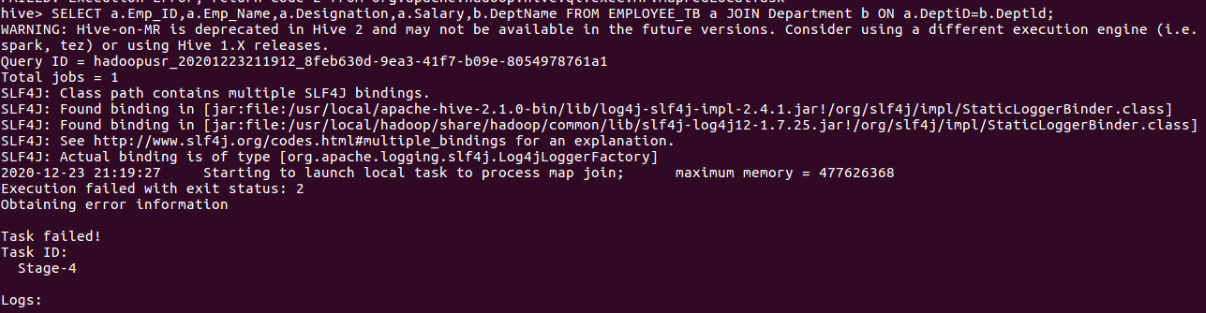
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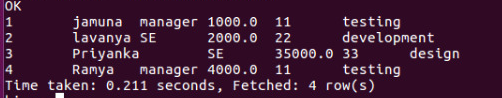
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1. **Display the cumulative details of each employee along with department details.**

Query :

SELECT a.Emp\_ID,a.Emp\_Name,a.Designation,a.Salary,b.DeptName FROM EMPLOYEE\_TB a JOIN Department b ON a.DeptiD=b.Deptld;



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