- 1. Create an external table named with the following attributes
- -> Empl_ID -> Emp_Name -> Designation -> Salary
- 2. Load data into table from a given file
- 3. Create a view to Generate a query to retrieve the employee details who earn a salary of more than Rs 30000.
- 4. Alter the table to add a column Dept_Id and Generate a query to retrieve the employee details in order by using Dept_Id
- 5. Generate a query to retrieve the number of employees in each department whose salary is greater than 30000
- 6. Create another table Department with attributes
- -> Dept_Id ->Dept_name ->Emp_Id
- 7. Display the cumulative details of each employee along with department details

Solutions:

1. CREATE DATABASE IF NOT EXISTS lab9 COMMENT 'employee program' WITH DBPROPERTIES ('creator'=Saurav);

SHOW DATABASES;

DESCRIBE DATABASE lab9;

USE lab9:

CREATE EXTERNAL TABLE IF NOT EXISTS Employee(EmpID INT,EmpName STRING,Designation STRING,Salary FLOAT) ROW FORMAT DELIMITED FIELDS TERMINATED BY '\t';

 LOAD DATA LOCAL INPATH '/home/Saurav/Desktop/employeeInput.txt' OVERWRITE INTO TABLE Employee;

SELECT * FROM Employee;

- CREATE VIEW emp_30000 AS SELECT * FROM Employee WHERE Salary>30000; SELECT * FROM emp_30000;
- 4. ALTER TABLE Employee ADD COLUMNS(DeptID INT);

LOAD DATA LOCAL INPATH '/home/Saurav/Desktop/employeeInputAltered.txt' OVERWRITE INTO TABLE Employee;

SELECT * FROM Employee;

SELECT * FROM Employee ORDER BY DeptID;

- 5. SELECT DeptID,count(*) FROM Employee WHERE Salary>=30000 GROUP BY DeptID;
- 6. CREATE EXTERNAL TABLE IF NOT EXISTS Department(DeptId INT,DeptName STRING) ROW FORMAT DELIMITED FIELDS TERMINATED BY '\t';

LOAD DATA LOCAL INPATH '/home/Saurav/Desktop/DepartmentInput.txt' OVERWRITE INTO TABLE Department;

SELECT * FROM Department;

7. SELECT a.EmplD,a.EmpName,a.Designation,a.Salary,b.DeptName FROM Employee a JOIN Department b ON a.DeptID=b.DeptId;





