**Assignment 2:**

**Objective** :

1. Calculate the number or emplyees corressponding to each skill from the table employee which is loaded in the demo

**Solution :**

//table creation

CREATE TABLE employee

(id INT,

name STRING,

skills ARRAY<STRING>

)

ROW FORMAT DELIMITED

FIELDS TERMINATED BY ','

COLLECTION ITEMS TERMINATED BY ':';

// loading data into the table

LOAD DATA LOCAL INPATH '/tmp/employee.csv'

INTO TABLE employee;

//create temp table

CREATE TABLE employee\_temp

(

id INT,

name STRING,

skills String

)

ROW FORMAT DELIMITED

FIELDS TERMINATED BY ',';

//copying exploded data from the employee table to the temp table for processing

insert into table employee\_temp SELECT id, name, skill FROM employee LATERAL VIEW explode(skills) skill\_set AS skill;

//fetch the number of employee corresponding to each skill

select skills,count(\*) from employee\_temp group by skills;

//screenshots are attached