# **Bigdata Assignment 3.1**

#### **Associated Data Files -**

https://drive.google.com/file/d/0Bxr27gVaXO5sQWV4UUpOXzNuZD A/view?usp=sharing

#### **Problem Statement**

Calculate the number of employees corresponding to each skill from the table 'employee' which is loaded in the Demo.

### **Solution -**

 Displayed the contents of the emp\_details.txt file cat emp\_details.txt;

```
[acadgild@localhost HIVE]$ cat emp_details.txt
Amit,Big Data,1,BBSR
Venkat,Web Technology,2,BBSR
Aditya,DBA,1,BNG
Ravinder,Java,2,BBSR
Sunil,C#,1,BBSR
Anil,ASP,2,BNG
Mihir,Big Data,3,BBSR
Mohit,Java,1,BBSR
[acadgild@localhost HIVE]$
■
```

Displayed the available databases and used the 'custom' database.
 show databases;
 use custom;

```
File Edit View Search Terminal Help

hive> show databases;
OK
acadgild_db
custom
default
hive_db
Time taken: 0.117 seconds, Fetched: 4 row(s)
hive> use custom;
OK
Time taken: 0.019 seconds
hive> ■
```

employee and laoded the data from local file system and displayed the contents of the table.

CREATE TABLE IF NOT EXISTS employee(name String, skill String, num int, location String) ROW FORMAT DELIMITED FIELDS TERMINATED BY ',';

LOAD DATA LOCAL INPATH 'emp\_details.txt' into table employee; select \* from employee;

```
File Edit View Search Terminal Help
hive> CREATE TABLE IF NOT EXISTS employee(name String , skill String , num int , location String) ROW FORMAT DELIMITED FIELD

S TERMINATED BY ',';
OK
Time taken: 0.144 seconds
hive> LOAD DATA LOCAL INPATH 'emp details.txt' into table employee;
Loading data to table custom.employee
OK
Time taken: 0.735 seconds
hive> select * from employee;
OK
Amit Big Data 1 BBSR
Venkat Web Technology 2 BBSR
Aditya DBA 1 BNG
Ravinder Java 2 BBSR
Sunil C# 1 BBSR
Anil ASP 2 BNG
Mihir Big Data 3 BBSR
Mohit Java 1 BBSR
Time taken: 0.152 seconds, Fetched: 8 row(s)
hive> ■
```

• Then for each skill, we counted no of employees using GROUP BY.

## select skill, COUNT(\*) from employee GROUP BY skill;