

## Assignment 3.1

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

### Associated Data files

<https://drive.google.com/file/d/0Bxr27gVaXO5sQWV4UUpOXzNuZDA/view?usp=sharing>

```
[acadgild@localhost ~]$ vi employees.txt
[acadgild@localhost ~]$ cat employees.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
```

```
CREATE DATABASE custom;
```

```
USE custom;
```

```
CREATE EXTERNAL TABLE IF NOT EXISTS EMPLOYEE ( name String, technology String, num int,
location String) ROW FORMAT DELIMITED FIELDS TERMINATED BY ',';
```

```
hive> CREATE EXTERNAL TABLE IF NOT EXISTS EMPLOYEE ( name String, technology String, num int, location String) ROW FO
RMAT DELIMITED FIELDS TERMINATED BY ',' ;
OK
Time taken: 0.844 seconds
```

```
LOAD DATA LOCAL INPATH '/home/acadgild/employees.txt' INTO TABLE employee;
```

```
hive> LOAD DATA LOCAL INPATH '/home/acadgild/employees.txt' INTO TABLE employee;
Loading data to table custom.employee
OK
Time taken: 1.55 seconds
```

SELECT \* FROM EMPLOYEE;

```
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: 2.486 seconds, Fetched: 8 row(s)
```

SELECT technology, COUNT(\*) FROM EMPLOYEE GROUP BY technology;

```
hive> SELECT technology, COUNT(*) FROM EMPLOYEE GROUP BY technology;
OK
ASP      1
Big Data  2
C#       1
DBA      1
Java     2
Web Technology  1
Time taken: 32.658 seconds, Fetched: 6 row(s)
```