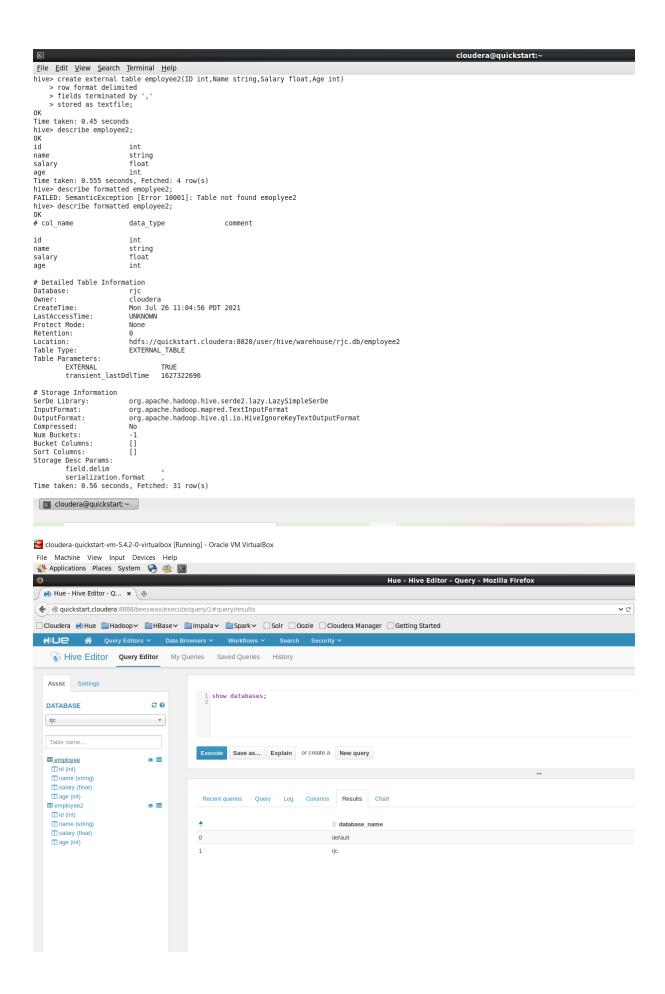
Experiment 08

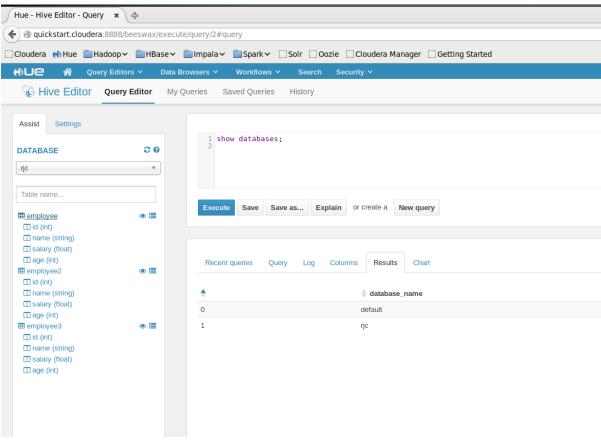
Quering ,Sorting ,Aggregating data using Hiveql

```
| Cloudera@quickstart:~
| File | Edit | View | Search | Terminal | Help |
| Cloudera@quickstart -| 5 hive |
| Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j.p |
| roperties |
| WorkPitch | View | Cli is deprecated and migration to Beeline is recommended. |
| hive-show databases; |
| OK | default |
| Time taken: 2.327 seconds, Fetched: 1 row(s) |
| hive-show databases | Cli |
| OK |
| OK |
| Time taken: 9.281 seconds |
| hive-show databases | RUC; |
| OK |
| Time taken: 0.965 seconds, Fetched: 2 row(s) |
| hive-drop database RUC; |
| OK |
| Time taken: 0.965 seconds |
| hive-state database RUC; |
| OK |
| Time taken: 0.142 seconds |
| hive-state database RUC; |
| OK |
| Time taken: 0.981 seconds |
| hive-state database RUC; |
| OK |
| Time taken: 0.981 seconds |
| New show tables; |
| OK |
| Time taken: 0.981 seconds |
| New show tables; |
| OK |
| Time taken: 0.989 seconds |
| Time taken: 0.
```

```
cloudera@quickstart:~
    <u>File Edit View Search Terminal Help</u>
      hive> create database RJC;
      Time taken: 2.875 seconds
   hive> show databases;
OK
default
Time taken: 0.11 seconds, Fetched: 2 row(s)
hive> use rjc;
OK
Time taken: 0.129 seconds
      https://docs.com/socialists/seconds/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/socialists/soc
   Time taken: 0.35 seconds
hive> describe employee;
OK
id
   id int
name string
salary float
age int
Time taken: 0.708 seconds, Fetched: 4 row(s)
hive> describe formated employee;
FAILED: SemanticException [Error 10001]: Table not found formated
hive> describe formatted employee;
      # col_name
   id
                                                                                                                                                string
float
int
    salary
    # Detailed Table Information
   Database:
Owner:
CreateTime:
                                                                                                                                                 Mon Jul 26 10:59:09 PDT 2021
    LastAccessTime:
Protect Mode:
                                                                                                                                                   UNKNOWN
```



```
hive> create external table employee3(Id int,Name string,Salary float,Age int)
    > row format delimited
    > fields terminated by ','
    > location '/user/cloudera/manoj';
0K
Time taken: 9.842 seconds
hive> describe employee3;
0K
id
                        int
name
                        string
salary
                        float
age
                        int
Time taken: 1.706 seconds, Fetched: 4 row(s)
hive>
```



```
hive> create external table employee3(Id int,Name string,Salary float,Age int)
    > row format delimited
    > fields terminated by ','
    > location '/user/cloudera/manoj';
Time taken: 9.842 seconds
hive> describe employee3;
0K
id
name
                         string
salary
                         float
age
                         int
Time taken: 1.706 seconds, Fetched: 4 row(s)
hive> show tables;
0K
employee
employee2
employee3
Time taken: 3.211 seconds, Fetched: 3 row(s)
hive> alter table employee3 RENAME TO emptble;
Time taken: 76.774 seconds
hive> alter table emptble add columns(surname string);
0K
Time taken: 1.155 seconds
hive> describe emptble;
0K
id
                         int
name
                         string
                         float
salary
age
                         int
                         string
surname
Time taken: 0.541 seconds, Fetched: 5 row(s)
hive>
```

```
cloudera@quickstart:~
<u>File Edit View Search Terminal Help</u>
        at org.apache.hadoop.hive.cli.CliDriver.main(CliDriver.java:615)
         at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)
        at \verb| sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)| \\
        at java.lang.reflect.Method.invoke(Method.java:606) at org.apache.hadoop.util.RunJar.run(RunJar.java:221)
         at org.apache.hadoop.util.RunJar.main(RunJar.java:136)
FAILED: ParseException line 1:5 cannot recognize input near 'show' 'rjc' '<EOF>' in ddl statement
hive> show databases;
OK
default
Time taken: 0.025 seconds, Fetched: 2 row(s)
hive> use rjc;
Time taken: 0.058 seconds hive> show tables;
emplovee
employee2
emptble
Time taken: 0.081 seconds, Fetched: 3 row(s)
hive> alter table emptble change name first_name string;
Time taken: 14.39 seconds
hive> describe emptble;
id
                           int
first_name
                           string
float
salary
age
surname string
Time t<u>a</u>ken: 0.483 seconds, Fetched: 5 row(s)
hive>
```

```
cloudera@quickstart:~
<u>F</u>ile <u>E</u>dit <u>V</u>iew <u>S</u>earch <u>T</u>erminal <u>H</u>elp
        at org.apache.hadoop.util.RunJar.main(RunJar.java:136)
FAILED: ParseException line 1:7 cannot recognize input near 'create' 'datbases' 'rjcStudent' in ddl statement
hive> create database rjcStudent;
Time taken: 2.822 seconds
hive> show databases;
0K
default
rjc
rjcstudent
Time taken: 0.204 seconds, Fetched: 3 row(s)
hive> use rjcstudent
Time taken: 0.107 seconds
hive> create table student(ID int,Name string,Age int)
   > partitioned by(Course string)
    > row format delimited
    > fields terminated by ',';
Time taken: 2.294 seconds
hive> describe student;
OK
id
                          int
name
                          string
age
                          int
                         string
course
# Partition Information
# col_name
                         data_type
                                                   comment
course string
Time taken: 0.471 seconds, Fetched: 9 row(s)
hive>
```

```
cloudera@quickstart:~
<u>File Edit View Search Terminal Help</u>
Time taken: 0.471 seconds, Fetched: 9 row(s)
hive> load data local inpath '/home/cloudera/Documents/Student.csv' into table student
    > partition(Course="Hadoop");
FAILED: SemanticException Line 1:23 Invalid path ''/home/cloudera/Documents/Student.csv'': No files matching path file:/home
/cloudera/Documents/Student.csv
hive> load data local inpath '/home/cloudera/Documents/student.csv' into table student > partition(Course="Hadoop");
Loading data to table rjcstudent.student partition (course=Hadoop)
Partition rjcstudent.student{course=Hadoop} stats: [numFiles=1, numRows=0, totalSize=119, rawDataSize=0]
0K
Time taken: 4.521 seconds
hive> select *from student;
0K
NULL
         Name
                  NULL
                            Hadoop
         Manoi
                  NULL
                            Hadoop
         Ritvik NULL
                           Hadoop
         Tom
                  NULL
                            Hadoop
         Jerry
                  NULL
                            Hadoop
         Sam
                  NULL
                           Hadoop
         John
                  NULL
                           Hadoop
Time taken: 8.009 seconds, Fetched: 7 row(s)
hive> load data local inpath '/home/cloudera/Documents/student.csv' into table student
    > partition(Course="Java");
Loading data to table ricstudent.student partition (course=Java)
Partition rjcstudent.student{course=Java} stats: [numFiles=1, numRows=0, totalSize=119, rawDataSize=0]
OΚ
Time taken: 2.44 seconds
hive> load data local inpath '/home/cloudera/Documents/student.csv' into table student
> partition(Course="Python");
Loading data to table rjcstudent.student partition (course=Python)
Partition rjcstudent.student{course=Python} stats: [numFiles=1, numRows=0, totalSize=119, rawDataSize=0]
0K
Time taken: 1.308 seconds
hive>
hive> create table student(ID int,Name string,Course string,Age int)
    > row format delimited
> fields terminated by ',';
FAILED: Execution Error, return code 1 from org.apache.hadoop.hive.ql.exec.DDLTask. AlreadyExistsException(message:Table stu
dent already exists)
hive> create table students(ID int,Name string,Course string,Age int)
    > row format delimited
    > fields terminated by ',';
Time taken: 0.513 seconds
hive> load data local inpath '/home/cloudera/Documents/student.csv' into table students;
Loading data to table rjcstudent.students
Table rjcstudent.students stats: [numFiles=1, totalSize=119]
0K
Time taken: 0.778 seconds
hive> select *from students;
0K
NULL
                   Course
         Name
         Manoj
                   Hadoop 24
         Ritvik Java
                            23
                   Python
                            20
         Tom
```

Jerry

Sam

John

hive>

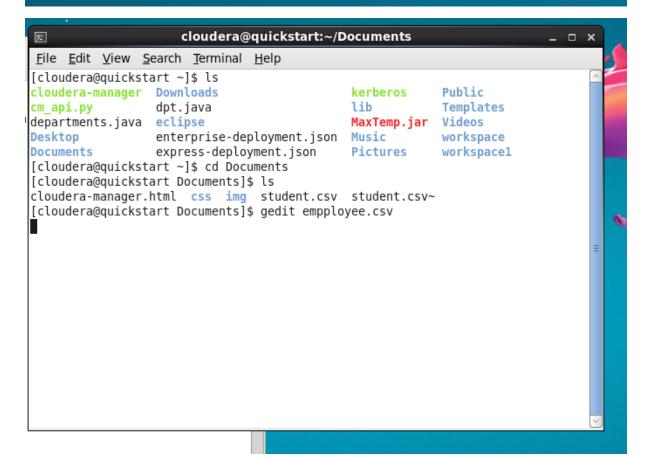
Hadoop 23

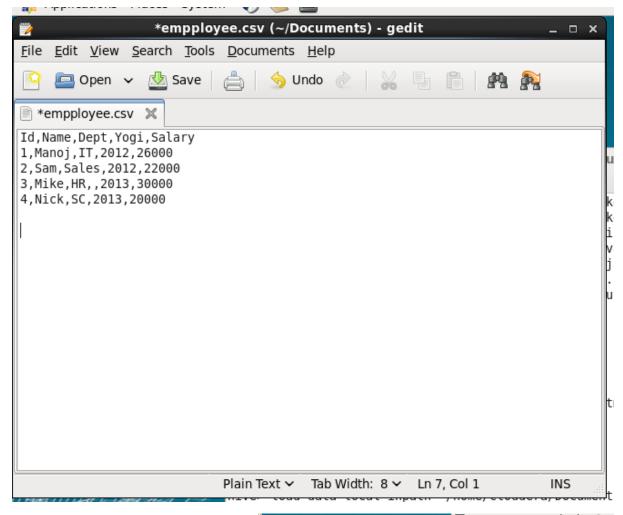
Java

Python 26

22 Time taken: 0.879 seconds, Fetched: 7 row(s)

```
hive> create table students(ID int,Name string,Course string,Age int)
    > row format delimited
     > fields terminated by ','
     > tblproperties("skip.header.line.count"="1");
g ok
Time taken: 0.371 seconds
hive> select *from students;
oκ
Time taken: 0.348 seconds
hive> load data local inpath '/home/cloudera/Documents/student.csv' into table students;
Loading data to table rjcstudent.students
 Table rjcstudent.students stats: [numFiles=1, totalSize=119]
 Time taken: 1.826 seconds
hive> select *from students;
0K
         Manoj
                  Hadoop 24
         Ritvik
                  Java
                           23
                  Python 20
         Tom
                  Hadoop 23
         Jerry
                  Python 26
         Sam
         John
                  Java
                           22
Time taken: 0.185 seconds, Fetched: 6 row(s)
hive>
```





```
cloudera@quickstart:~
                                                                                                                                                                 □ ×
 <u>File Edit View Search Terminal Help</u>
          at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)
           at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:606)
at org.apache.hadoop.util.RunJar.run(RunJar.java:221)
at org.apache.hadoop.util.RunJar.main(RunJar.java:136)

FAILED: ParseException line 1:0 cannot recognize input near '^' 'C' '<EOF>'
hive> create database hiveql;
Time taken: 0.418 seconds
hive> use hiveal;
Time taken: 0.028 seconds
hive> create table employee(ID int,Name string,Department string,YOJ int,Salary float)
> row format delimited
     > fields terminated by ',
     > tblproperties("skip.header.line.count"="1");
Time taken: 0.341 seconds
hive> load data local inpath '/home/cloudera/Documents/empployee.csv' into table employee;
Loading data to table hiveql.employee
Table hiveql.employee stats: [numFiles=1, totalSize=115]
Time taken: 1.05 seconds hive> select *from employee;
                     IT
                                2012
                                          26000.0
          Manoj
                                           22000.0
           Sam
                     Sales
                                2012
          Mike
                     HR
SC
                                NULL
                                           2013.0
          Nick
                                2013
                                           20000.0
NULL
          NULL
                     NULL
                                NULL
                                          NULL
NULL
          NULL
                     NULL
                                NULL
Time taken: 0.711 seconds, Fetched: 6 row(s)
hive>
```

```
cloudera@quickstart:~
 File Edit View Search Terminal Help
                                       2013
                                                    30000.0
            Mike
                        HR
 Time taken: 0.344 seconds, Fetched: 3 row(s)
hive> drop table employee;
 Time taken: 1.36 seconds
hive> create table employee(ID int,Name string,Department string,YOJ int,Salary float)
     > row format delimited
      > fields terminated by ','
      > tblproperties("skip.header.line.count"="1");
Time taken: 0.271 seconds
hive> load data local inpath '/home/cloudera/Documents/empployee.csv' into table employee;
Loading data to table hiveql.employee
Table hiveql.employee stats: [numFiles=1, totalSize=112]
Time taken: 1.309 seconds
hive> select *from employee where Salary>=25000;;
             Manoj IT
                                       2012
                                                    26000.0
            Mike
                                       2013
                                                    30000.0
                         HR
Time taken: 0.297 seconds, Fetched: 2 row(s)
hive> select *from employee where Salary<25000;;
0K
                          Sales 2012
SC 2013
                                                 20000.0
             Nick
Time taken: 0.401 seconds, Fetched: 2 row(s) hive> select ID,Name,Salary+5000 from employee;
0K
             Manoj
                          31000.0
                          27000.0
             Sam
             Mike
                          35000.0
             Nick
                          25000.0
Time taken: 0.257 seconds. Fetched: 4 row(s)
hive>
hive> select max(salary) from employee;
Query ID = cloudera_20210728212727_c36fbde7-1bb3-4383-8c86-3e1a012efb28
Total jobs = 1
Number of reduce tasks determined at compile time: 1
In order to change the average load for a reducer (in bytes):
set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
   set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
   set mapreduce.job.reduces=<number>
set mapreduce.job.reduces=<number>
Starting Job = job_1627528366682_0001, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1627528366682_0001/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1627528366682_0001
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-07-28 21:29:66,429 Stage-1 map = 0%, reduce = 0%
2021-07-28 21:29:51,375 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.27 sec
2021-07-28 21:30:47,166 Stage-1 map = 100%, reduce = 67%, Cumulative CPU 4.03 sec
2021-07-28 21:30:48,565 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 5.19 sec
MapReduce Total cumulative CPU time: 5 seconds 190 msec
Ended Job = job_1627528366682_0001
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 5.19 sec HDFS Read: 6900 HDFS Write: 8 SUCCESS
Total MapReduce CPU Time Spent: 5 seconds 190 msec
 30000.0
Time taken: 199.197 seconds, Fetched: 1 row(s) hive> ■
hive> select min(salary) from employee;
Query ID = cloudera_20210728213131_11381397-1930-4bab-8457-f4190f638d21
Total jobs = 1
Launching Job 1 out of 1

Number of reduce tasks determined at compile time: 1
In order to change the average load for a reducer (in bytes):
    set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
set hive.exec.reducers.max=<number>
In order to set a constant number of reducers: set mapreduce.job.reduces=<number>
Starting Job = job 1627528366682 0002, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1627528366682_0002/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1627528366682_0002
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-07-28 21:32:29,986 Stage-1 map = 0%, reduce = 0%, Cumulative CPU 2.39 sec 2021-07-28 21:33:29,688 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 5.67 sec
MapReduce Total cumulative CPU time: 5 seconds 670 msec
Ended Job = job_1627528366682_0002
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU:
Total MapReduce CPU Time Spent: 5 seconds 670 msec
```

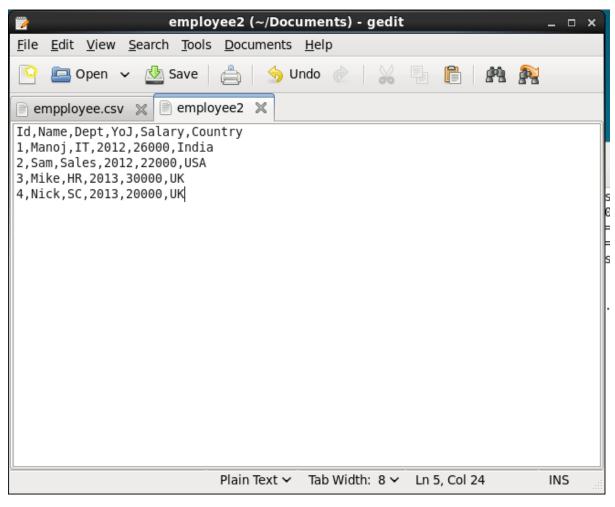
Cumulative CPU: 5.67 sec HDFS Read: 6931 HDFS Write: 8 SUCCESS

20000.0

hive>

Time taken: 92.726 seconds, Fetched: 1 row(s)

```
cloudera@quickstart:~
 <u>File Edit View Search Terminal Help</u>
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-07-28 21:32:29,936 Stage-1 map = 0%, reduce = 0%
2021-07-28 21:33:29,936 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.39 sec
2021-07-28 21:33:29,688 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 5.67 sec
MapReduce Total cumulative CPU time: 5 seconds 670 msec
Ended Job = job 162752836682 0002
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 5.67 sec HDFS Read: 6931 HDFS Write: 8 SUCCESS Total MapReduce CPU Time Spent: 5 seconds 670 msec
20000.0
Time taken: 92.726 seconds, Fetched: 1 row(s) hive> select ID,Name,sqrt(Salary) from employee;
               Manoj 161.24515496597098
                          173.20508075688772
               Mike
                             141.4213562373095
               Nick
Time taken: 1.479 seconds, Fetched: 4 row(s) hive> select ID,upper(Name) from employee;
0K
               MANOJ
               SAM
               MIKE
               NICK
Time taken: 0.682 seconds, Fetched: 4 row(s) hive> select ID,lower(Name) from employee;
0K
               manoj
              mike
               nick
Time taken: 0.806 seconds, Fetched: 4 row(s)
```



```
hive> create table employee3(ID int,Name string,Department string,YOJ int,Salary float,Country string)
       > fields terminated by ','
> tblproperties("skip.header.line.count"="1");
 loĸ
 Time taken: 3.675 seconds
 hive> load data local inpath '/home/cloudera/Documents/empployee2.csv' into table employee3;
FAILED: SemanticException Line 1:23 Invalid path ''/home/cloudera/Documents/empployee2.csv'': No files matching path file:/home/clo
 udera/Documents/empployee2.csv
hive> load data local inpath '/home/cloudera/Documents/empployee2' into table employee3;
FAILED: SemanticException Line 1:23 Invalid path ''/home/cloudera/Documents/empployee2'': No files matching path file:/home/clouder
 a/Documents/empployee2
 Arbotuments/approsyces

hive> load data local inpath '/home/cloudera/Documents/empployee2.csv' into table employee3;

FAILED: SemanticException Line 1:23 Invalid path ''/home/cloudera/Documents/empployee2.csv'': No files matching path file:/home/clo
 udera/Documents/empployee2.csv
 hive> load data local inpath '/home/cloudera/Documents/employee2.csv' into table employee3;
Loading data to table hiveql.employee3
 Table hiveql.employee3 stats: [numFiles=1, totalSize=135]
 Time taken: 1.845 seconds
 hive> select *from employee3;
                                                       26000.0 India
              Manoj
                                          2012
                                                        22000.0 USA
               Sam
                            Sales
                                         2012
                          HR
              Mike
                                         2013
                                                       30000.0 UK
                            SC
              Nick
                                          2013
                                                       20000.0 UK
 Time taken: 0.298 seconds, Fetched: 4 row(s)
hive> select country,sum(salary) from employee3 group by Country;
Query ID = cloudera_20210728214444_5cf8c322-786a-48ca-b63d-f64836429f6a
Total iobs = 1
 Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
 set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
 set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
In order to set a constant number of reducers:
    set mapreduce.job.reduces=<number>
    Set mapreduce.job.reduces=<number>
    Starting Job = job 1627528366682 0003, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1627528366682_0003/
    Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1627528366682_0003
    Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
    2021-07-28 21:45:13,525 Stage-1 map = 0%, reduce = 0%
    2021-07-28 21:45:49,886 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.96 sec
    2021-07-28 21:46:09,788 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.88 sec
 MapReduce Total cumulative CPU time: 4 seconds 880 msec
Ended Job = job_1627528366682_0003
 MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.88 sec HDFS Read: 7376 HDFS Write: 37 SUCCESS
 Total MapReduce CPU Time Spent: 4 seconds 880 msec
 India
              26000.0
              50000.0
 UK
 USA
              22000.0
 Time taken: 95.778 seconds, Fetched: 3 row(s)
 hive>
```

```
cloudera@quickstart:~
 Σ.
 File Edit View Search Terminal Help
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.88 sec HDFS Read: 7376 HDFS Write: 37 SUCCESS
Total MapReduce CPU Time Spent: 4 seconds 880 msec
India
             26000.0
              50000.0
USA
             22000.0
Time taken: 95.778 seconds, Fetched: 3 row(s)
hive> select country,sum(salary) from employee3 group by Country having sum(salary)>50000;
Query ID = cloudera_20210728214747_lb8481d8-eb26-4bab-87c0-f712edffa4a0
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
   set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
set mapreduce.job.reduces=<number>
Starting Job = job_1627528366682_0004, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1627528366682_0004/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1627528366682_0004
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-07-28 21:48:22,788 Stage-1 map = 0%, reduce = 0%
2021-07-28 21:48:52,136 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.36 sec
2021-07-28 21:49:31,643 Stage-1 map = 100%, reduce = 67%, Cumulative CPU 5.69 sec 2021-07-28 21:49:32,739 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 6.36 sec
MapReduce Total cumulative CPU time: 6 seconds 360 msec
Ended Job = job_1627528366682_0004
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 6.36 sec HDFS Read: 7814 HDFS Write: 0 SUCCESS
 Total MapReduce CPU Time Spent: 6 seconds 360 msec
OΚ
Time taken: 108.02 seconds
hive>
```

```
hive> Select *from employee3 order by salary desc;
Query ID = cloudera_20210728215151_7e431daf-83cf-4e6b-b78f-dcef4eecfe80
 Totaĺ jobs = 1
Launching Job 1 out of 1
Number of reduce tasks determined at compile time: 1
In order to change the average load for a reducer (in bytes):
   set hive.exec.reducers.bytes.per.reducer=<number>
 In order to limit the maximum number of reducers:
   set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
    set mapreduce.job.reduces=<number>
set mapreduce.job.reduces=<number>
Starting Job = job_1627528366682_0005, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1627528366682_0005/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1627528366682_0005
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-07-28 21:52:07,837 Stage-1 map = 0%, reduce = 0%
2021-07-28 21:52:27,713 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.26 sec
2021-07-28 21:52:54,269 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 5.37 sec
MapReduce Total cumulative CPU time: 5 seconds 370 msec
Ended Job = job_1627528366682_0005
 MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 5.37 sec HDFS Read: 7241 HDFS Write: 111 SUCCESS Total MapReduce CPU Time Spent: 5 seconds 370 msec
0K
                               HR
                                               2013
                                                              30000.0 UK
                                               2012
                                                              26000.0 India
                Manoj IT
                               Sales
                                              2012
                                                              22000.0 USA
                Sam
                Nick
                               SC
                                              2013
                                                              20000.0 UK
Time taken: 72.532 seconds, Fetched: 4 row(s)
hive>
 hive> Select *from employee3 sort by salary desc;
Query ID = cloudera_20210728215353_14e4795f-cb4c-4a8d-ba55-8ab46d94596d
 | Total jobs = 1 | Launching Job 1 out of 1 | Number of reduce tasks not specified. Estimated from input data size: 1 | In order to change the average load for a reducer (in bytes): | set hive.exec.reducers.bytes.per.reducer=<number>
  In order to limit the maximum number of reducers:
    set hive.exec.reducers.max=<number>
 In order to set a constant number of reducers:
set mapreduce.job.reduces=<number>
set mapreduce.job.reduces=<number>
Starting Job = job_1627528366682_0006, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1627528366682_0006/
Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1627528366682_0006
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2021-07-28 21:54:20,425 Stage-1 map = 0%, reduce = 0%
2021-07-28 21:54:20,425 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.33 sec
2021-07-28 21:55:05,667 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 5.42 sec
MapReduce Total cumulative CPU time: 5 seconds 420 msec
 Ended Job = job_1627528366682_0006
MapReduce Jobs Launched:
 Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 5.42 sec HDFS Read: 7241 HDFS Write: 111 SUCCESS Total MapReduce CPU Time Spent: 5 seconds 420 msec
                Mike
                              HR
                                              2013
                                                            30000.0 UK
                             IT
                                              2012
                                                             26000.0 India
                Manoj
                Sam
                              Sales 2012
                                                            22000.0 USA
                Nick
                               SC
                                              2013
                                                             20000.0 UK
 Time taken: 72.148 seconds, Fetched: 4 row(s) hive> ■
```