1. **Create table with following structure**

**hive> create table employee (eid int,name String,salary float,designation String,dept\_id int,dept\_name String) ROW FORMAT DELIMITED FIELDS TERMINATED BY '\t';**

**OK**

**Time taken: 0.154 seconds**

1. **Alter table name to emp**

**hive> ALTER TABLE employee RENAME TO emp;**

**OK**

**Time taken: 0.211 seconds**

**3. Change fileld ‘name’ to ‘ename’.**

**hive> ALTER TABLE emp CHANGE name ename String**

**> ;**

**OK**

**Time taken: 0.176 seconds**

**4. Load data from textfile present in local file system.**

**hive> LOAD DATA LOCAL INPATH '/home/rishabh/emp' INTO TABLE emp;**

**Loading data to table mydb.emp**

**OK**

**Time taken: 0.236 seconds**

**hive> SELECT \* FROM emp;**

**OK**

**1 rishabh 100.0 Manager 100 IT**

**2 ashish 200.0 Manager 101 CS**

**3 ketki 300.0 Analyst 100 IT**

**4 harsh 400.0 Analyst 101 CS**

**5 nikita 500.0 Clerk 100 IT**

**6 shivani 600.0 Clerk 101 CS**

**7 rishabh1 1001.0 Manager 100 IT**

**8 ashish2 2001.0 Manager 101 CS**

**9 ketki3 3001.0 Analyst 100 IT**

**10 harsh4 4001.0 Analyst 101 CS**

**11 nikita5 5001.0 Clerk 100 IT**

**12 shivani6 6001.0 Clerk 101 CS**

**Time taken: 0.123 seconds, Fetched: 12 row(s)**

**5. Count employees for each dept. Use Group by clause.**

**hive> SELECT dept\_name,COUNT(\*) FROM emp GROUP BY dept\_name;**

**WARNING: Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.**

**Query ID = root\_20180405134758\_66df5e48-680b-4b32-82d5-5f102b12bfe5**

**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\_1522912236350\_0008, Tracking URL = http://rishabh-Inspiron-5559:8088/proxy/application\_1522912236350\_0008/**

**Kill Command = /usr/local/hadoop/hadoop-2.7.0/bin/hadoop job -kill job\_1522912236350\_0008**

**Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1**

**2018-04-05 13:48:02,533 Stage-1 map = 0%, reduce = 0%**

**2018-04-05 13:48:06,762 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.12 sec**

**2018-04-05 13:48:11,992 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 2.75 sec**

**MapReduce Total cumulative CPU time: 2 seconds 750 msec**

**Ended Job = job\_1522912236350\_0008**

**MapReduce Jobs Launched:**

**Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 2.75 sec HDFS Read: 9144 HDFS Write: 121 SUCCESS**

**Total MapReduce CPU Time Spent: 2 seconds 750 msec**

**OK**

**CS 6**

**IT 6**

**Time taken: 15.421 seconds, Fetched: 2 row(s)**

**7. Display only those departments in which more than 2 employees are present.**

**hive> SELECT dept\_name,COUNT(\*) count1 FROM emp GROUP BY dept\_name HAVING COUNT(dept\_name) > 2;**

**WARNING: Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.**

**Query ID = root\_20180405141548\_c2d50d65-23c2-4649-87a1-dcd024d1ff5a**

**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\_1522912236350\_0010, Tracking URL = http://rishabh-Inspiron-5559:8088/proxy/application\_1522912236350\_0010/**

**Kill Command = /usr/local/hadoop/hadoop-2.7.0/bin/hadoop job -kill job\_1522912236350\_0010**

**Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1**

**2018-04-05 14:15:53,038 Stage-1 map = 0%, reduce = 0%**

**2018-04-05 14:15:57,332 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.18 sec**

**2018-04-05 14:16:02,551 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.0 sec**

**MapReduce Total cumulative CPU time: 4 seconds 0 msec**

**Ended Job = job\_1522912236350\_0010**

**MapReduce Jobs Launched:**

**Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.0 sec HDFS Read: 10277 HDFS Write: 121 SUCCESS**

**Total MapReduce CPU Time Spent: 4 seconds 0 msec**

**OK**

**CS 6**

**IT 6**

**Time taken: 15.594 seconds, Fetched: 2 row(s)**