TASK 1:

Creation of Table in Hive and Loading of data

create table olympicdet (athelete STRING,age INT,country STRING,year STRING,closing STRING,sport STRING,gold INT,silver INT,bronze INT,total INT) row format delimited fields terminated by '\t' stored as textfile;

```
hive> create table olympicdet (athelete STRING,age INT,country ŠTRING,year STRING,closing STRING,sport STRING,gold INT,silver INT,bronze INT,total INT) row for mat delimited fields terminated by '\t' stored as textfile;
OK
Time taken: 1.506 seconds
hive>
```

```
hive> select * from olympicdet;
Time taken: 3.675 seconds
hive> describe olympicdet;
athelete
                         string
                         int
age
                         string
country
year
                         string
closing
                         string
sport
                         string
gold
                         int
silver
                         int
bronze
                         int
total
Time taken: 0.095 seconds, Fetched: 10 row(s)
hive>
```

load data local inpath '/home/acadgild/Desktop/Assignments/Assignment 9/olympic_data.csv' into table olympicdet;

set hive.cli.print.header=true;

```
hive> set hive.cli.print.header=true;
hive>
```

Above command is to see the Column names.

1. Write a Hive program to find the number of medals won by each country in swimming.

select country, SUM(total) as TotalMedals from olympicdet where sport = 'Swimming' GROUP BY country;

```
hive select country, SUM(total) as TotalMedals from olympicdet where sport = 'Swimming' GROUP BY country;
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 u sing Hive 1.X releases.
Query ID = acadgild_20180812152749_ebfcf8af-b7e8-4d88-bc04-677c17775c56
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=renumber>
In order to limit the maximum number of reducers:
set hive, exec.reducers.max=cnumber>
In order to set a constant number of reducers:
set apreduce, job; reduces=somumber>
Starting Job = job_1534063820121_0003, Tracking URL = http://192.168.0.10:8088/proxy/application_1534063820121_0003/
Kill Command = /home/acadgild/install/hadoop/hadoop-2.6.5/bin/hadoop job -kill job_1534063820121_0003
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2018-08-12 15:28:15(279) Stage-1: number of mappers: 1; number of reducers: 1
2018-08-12 15:28:13,744 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 4.45 sec
2018-08-12 15:28:13,744 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 7.72 sec
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 7.72 sec MDFS Read: 528630 HDFS Write: 881 SUCCESS
```

OUTPUT -

2. Write a Hive program to find the number of medals that India won year wise.

select year,country,SUM(total) as NumberOfMedals from olympicdet where country = 'India' GROUP BY year;

```
Nanning: 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 u sing Hive 1.X releases.

Query ID = acadgild_20180812155547_ca68061f-9fef-4f68-8744-c2cea44fa674

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=enumber>
In order to limit the maximum number of reducers:
set inve.exec.reducers.max=-number>
In order to set a constant number of reducers:
set appreduce.job.reduces=enumber>
Starting Job = Job _1534069331974_6001, Tracking URL = http://localhost:8088/proxy/application_1534069331974_6001/
Kill Command = /home/acadgild/install/hadoop/hadoop-2.6.5/bin/hadoop job -kill job_1534069331974_6001/
Kill Command = /home/acadgild/install/hadoop/hadoop-2.6.5/bin/hadoop job -kill job_1534069331974_6001

2018-08-12 15:56:85,599 Stage-1 map = 0%, reduce = 0%, Cumulative CPU 4.07 sec
2018-08-12 15:56:21,511 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 6.87 sec
Ended Job = job_1534069331974_6001

MapReduce Jobs Lumulative CPU time: 6 seconds 870 msec
Ended Job = job_1534069331974_6001

MapReduce Jobs Lumulative CPU time: 6 seconds 870 msec
Ended Job = job_1534069331974_6001

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 6.87 sec HDFS Read: 528607 HDFS Write: 163 SUCCESS
```

OUTPUT:

```
Total MapReduce CPU Time Spent: 7 seconds 840 msec

OK

year numberofmedals

2000 1

2004 1

2008 3

2012 6

Time taken: 26.459 seconds, Fetched: 4 row(s)

hive>
```

3. Find the total number of medals each country won display the name along with total medals.

select country, SUM(total) as total number of medals from olympic det GROUP BY country;

```
hive> select country, SUM(total) as totalnumberofmedals from olympicdet GROUP BY country;
WARRING: Hive-on-NR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine sing Hive 1.X releases.

Query ID = acadgild_20180812160408_456d9bc1-58be-4cbf-8347-e70bf0d383d4

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=<a href="mailto:set hive.exec.reducers.bytes.per.reducer=<a href="mailto:set hive.exec.reducers.bytes.per.reducer=<a href="mailto:set hive.exec.reducers.max=rumber">set hive.exec.reducers.max=rumber>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<a href="mailto:set max=rumber">set mayereduce.job.reduces=<a href="mailto:set mayereduce.job.reduces">set mapreduce.job.reduces=<a href="mailto:set mayereduce.job.reduces=<a href="mailto:set mayereduce">set mapreduce.job.reduces=<a href="mailto:set mayereduce">set mapreduce.job.set mapreduce.job.set mapreduce.job.set mapreduce.job.set mapreduce.job.set mapreduce.job.set mapreduce.job.reduce=<a href="mailto:set misser:">set misser: mailto:set mailto:set mailto:set mayereduce.job.set mapreduce.job.set mapreduce.job
```

```
country totalnumberofmedals
Afghanistan
                2
Algeria 8
Argentina
               141
Armenia 10
Australia
               609
Austria 91
Azerbaijan
               25
Bahamas 24
Bahrain 1
Barbados
               1
Belarus 97
Belgium 18
Botswana
               1
Brazil 221
Bulgaria
               41
Cameroon
               20
Canada 370
Chile
       22
       530
China
Chinese Taipei
               20
Colombia
               13
Costa Rica
               2
Croatia 81
Cuba 188
Cyprus 1
Czech Republic 81
Denmark 89
Dominican Republic
                       5
Ecuador 1
Egypt 8
Eritrea 1
Estonia 18
Ethiopia
               29
Finland 118
France 318
Gabon 1
Georgia 23
Germany 629
Great Britain
               322
Greece 59
Grenada 1
```

```
Guatemala
                  1
3
Hong Kong
Hungary 145
Iceland 15
India
         11
Indonesia
                  22
         24
Iran
Ireland 9
Israel 4
Italy
         331
Jamaica 80
Japan
         282
.
Kazakhstan
                  42
Kenya
         39
Kuwait
Kyrgyzstan
                  3
Latvia 17
Lithuania
                  30
Macedonia
                  1
Malaysia
                  3
Mauritius
                  1
Mexico 38
Moldova 5
Mongolia
                  10
Montenegro
                  14
Morocco 11
Mozambique
                  1
Netherlands
                  318
New Zealand
                  52
Nigeria 39
North Korea
                  21
Norway 192
Panama 1
Paraguay
Poland 80
                  17
                  9
Portugal
                  2
Puerto Rico
Qatar
        3
Romania 123
Russia 768
Saudi Arabia
                  6
Serbia 31
```

```
Serbia and Montenegro
Singapore
               7
Slovakia
               35
Slovenia
               25
South Africa
              25
South Korea
               308
Spain
       205
Sri Lanka
               1
Sudan 1
Sweden 181
Switzerland
               93
Syria 1
Tajikistan
               3
               18
Thailand
Togo
Trinidad and Tobago
                       19
Tunisia 4
Turkey 28
Uganda 1
Ukraine 143
United Arab Emirates
United States 1312
Uruguay 1
Uzbekistan
              19
Venezuela
               4
Vietnam 2
Zimbabwe
Time taken: 25.617 seconds, Fetched: 110 row(s)
```

4. Write a Hive program to find the number of gold medals each country won.

select country, SUM(gold) as gold_number from olympicdet GROUP BY country;

```
Select country, SUM(gold) as gold number from olympicdet GROUP BY country;

MARNING: 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 = acadgild_20180812210034_705b717b-b553-4d18-8592-a957b56607bb

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..nax=cnumber>

In order to limit the maximum number of reducers:

set hive-exec.reducers..nax=cnumber>

In order to set a constant number of reducers:

set mayreduce, job. reduceas=<a href="https://logo.nic.ago/apold-nato-2-6.5/bin/hadoop.job">https://logo.nic.ago/apold-nato-2-6.5/bin/hadoop.job</a> -kill job_1534086915843_0001/

Kill Command = /home/acadgild/install/hadoop/hadoop-2-6.5/bin/hadoop.job -kill job_1534086915843_0001/

Kill Command = /home/acadgild/install/hadoop/hadoop-2-6.5/bin/hadoop.job -kill job_1534086915843_0001

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

2018-08-12 21:00:155,109 Stage-1 map = 0%, reduce = 0%, Cumulative CPU 2.62 sec
2018-08-12 21:00:11,1944 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 5.69 sec
Ended Job = job_1534086915843_0001

MapReduce CPU Time Spent: 5 seconds 690 msec

Ended Job = Job_Landender: 5 seconds 690 msec

OK

country gold number
           K
ountry gold_number
fghanistan 0
lgeria 2
rgentina 49
rmenia 0
ustralia 163
```

```
Canada 168
Chile
        3
        234
China
Chinese Taipei
                2
                2
Colombia
Costa Rica
                0
Croatia 35
Cuba
       57
Cyprus 0
Czech Republic 14
Denmark 46
Dominican Republic
Ecuador 0
Egypt
       1
Eritrea 0
Estonia 6
Ethiopia
                13
Finland 11
France 108
Gabon
        0
Georgia 6
Germany 223
Great Britain
                124
Greece 12
Grenada 1
Guatemala
                0
Hong Kong
                0
Hungary 77
Iceland 0
India
Indonesia
                5
Iran
       10
Ireland 1
Israel 1
Italy 86
Jamaica 24
Japan
       57
Kazakhstan
                13
Kenya 11
Kuwait 0
                0
Kyrgyzstan
Latvia 3
```

```
Lithuania
                 5
                 0
Macedonia
                 0
Malaysia
Mauritius
                 0
Mexico 19
Moldova 0
                 2
Mongolia
Montenegro
                 0
Morocco 2
Mozambique
                 1
Netherlands
                 101
New Zealand
                 18
Nigeria 6
North Korea
                 6
Norway 97
Panama
       1
Paraguay
                 0
Poland 20
Portugal
                 1
Puerto Rico
                 0
0atar
        0
Romania 57
Russia 234
Saudi Arabia
                 0
Serbia 1
Serbia and Montenegro
                         11
Singapore
Slovakia
                 10
Slovenia
                 5
South Africa
                 10
South Korea
                 110
Spain
        19
Sri Lanka
                 0
Sudan
        0
Sweden 57
Switzerland
                 21
Syria
        0
Tajikistan
                 0
Thailand
                 6
Togo
        0
Trinidad and Tobago
Tunisia 2
Turkey 9
```

```
Uganda 1
Ukraine 31
United Arab Emirates 1
United States 552
Uruguay 0
Uzbekistan 5
Venezuela 1
Vietnam 0
Zimbabwe 2
Time taken: 39.365 seconds, Fetched: 110 row(s)
hive>■
```

TASK 2:

Write a hive UDF that implements functionality of string concat_ws(string SEP, array<string>). This UDF will accept two arguments, one string and one array of string. It will return a single string where all the elements of the array are separated by the SEP.

We have to write the function with logic in eclipse after adding all Hive jars from VM. Below is the code snippet which is written as per the requirement provided above –

```
1 package com.acadgild.concatstrings;
2
3 import java.util.List;
5 import org.apache.hadoop.hive.ql.exec.UDF;
6 import org.apache.hadoop.io.Text;
8 public class StringConcat extends UDF {
90
       public Text evaluate(Text SEPDEL, List<String> array) {
           Text to_value = new Text("");
10
11
           if (array != null) {
               String word = "";
12
                    for (int i=0; i<array.size(); i++) {</pre>
14
                        if(i==0)
15
                            word =word + array.get(i);
16
                        else
17
                            word = word+ SEPDEL + array.get(i);
18
19
                    to_value.set(word);
20
21
           return to value;
22
23
       }
24 }
25
```

We need to add the jar created to the hive resources to execute this jar as an function in HIVE, which in turn we are running the UDF created as jar.

ADD JAR /home/acadgild/Desktop/Assignments/Assignment9/StringConcat.jar;

```
hive> ADD JAR /home/acadgild/Desktop/Assignments/Assignment9/StringConcat.jar;
Added [/home/acadgild/Desktop/Assignments/Assignment9/StringConcat.jar] to class path
Added resources: [/home/acadgild/Desktop/Assignments/Assignment9/StringConcat.jar]
```

Now we need to create a temporary function to run that as an function in Hive to execute queries against it.

CREATE TEMPORARY FUNCTION concatstrings as 'com.acadgild.concatstrings.StringConcat';

where concatstrings without quotes behaves as an function to be used and with quotes is the class we have created in our UDF, we have provided whole package path where class has been created.

```
hive> CREATE TEMPORARY FUNCTION concatstrings as 'com.acadgild.concatstrings.StringConcat';
OK
Time taken: 0.004 seconds
hive> ■
```

Now, creating table assignhive with text and delimiters.

Create table assignhive (sepdel String, textarr array<string>) row format delimited fields terminated by ';' collection items terminated by ',';

Input used to demonstrate UDF created -

```
[acadgild@localhost ~]$ cat /home/acadgild/Desktop/Assignments/Assignment9/udfinput.txt
-;This,is,assignment,session9, HIVE
+;UDF,demonstration,to,create,user,definedfunction[acadgild@localhost ~]$
```

Now, loading this data into the table created -

```
hive> load data local inpath '/home/acadgild/Desktop/Assignments/Assignment9/udfinput.txt' into table assignhive;
Loading data to table simplidb.assignhive
OK
Time taken: 1.508 seconds
hive> select * from assignhive;
OK
- ["This", "is", "assignment", "session9", " HIVE"]
+ ["UDF", "demonstration", "to", "create", "user", "definedfunction"]
Time taken: 2.087 seconds, Fetched: 2 row(s)
hive>
```

No below is the output after using the function "concatstrings" which will concat the delimiter in input file with each words in the array of strings.

select concatstrings(sepdel,textarr) from assignhive;

```
hive> select concatstrings(sepdel,textarr) from assignhive;
OK
This-is-assignment-session9- HIVE
UDF+demonstration+to+create+user+definedfunction
Time taken: 0.488 seconds, Fetched: 2 row(s)
hive>
```

TASK 3:

Link: https://acadgild.com/blog/transactions-in-hive/

Refer the above given link for transactions in Hive and implement the operations given in the blog using your own sample data set and send us the screenshot.

As per the blog we need to work on below operations in HIVE Demonstration –

- 1. Insert
- 2. Update
- 3. Delete

The below properties needs to be set appropriately in *hive shell* , order-wise to work with transactions in Hive:

```
set hive.support.concurrency = true;
set hive.enforce.bucketing = true;
set hive.exec.dynamic.partition.mode = nonstrict;
set hive.txn.manager = org.apache.hadoop.hive.ql.lockmgr.DbTxnManager;
set hive.compactor.initiator.on = true;
set hive.compactor.worker.threads = a positive number on at least one instance of the Thrift metastore service;
```

If the above properties are not set properly, the 'Insert' operation will work but 'Update' and 'Delete' will not work and you will receive the following error:

FAILED: SemanticException [Error 10294]: Attempt to do update or delete using transaction manager that does not support these operations.

Creating a table to demonstrate INSERT, UPDATE and DELETE operations.

Create table StudentDetails(StuName string, StuID int, Stuadd string, Stuloc string) clustered by (StuID) into 5 buckets stored as orc TBLPROPERTIES('transactional'='true');

The above syntax will create a table with name 'StudentDetails' and the columns present in the table are 'StuName, StuID, Stuadd, Stuloc'. We are bucketing the table by 'StuID' and the table format is 'orc', also we are enabling the transactions in the table by specifying it inside the TBLPROPERTIES as 'transactional'='true'

```
hive> reate table StudentDetails(StuName string, StuID int, Stuadd string, Stuloc string) clustered by (StuID) into 5 buckets stored as orc TBLPROPERTIES('transactional'='true');

OK
Time taken: 0.595 seconds
hive> show tables;

OK
assignhive
buck_users
csv_table
emp_details
emp_details_partitioned
locations
mycustomer
olympicdet
studentdetails
txnrecords
users
Time taken: 0.859 seconds, Fetched: 11 row(s)
hive> I
```

Table Creaed.

Inserting Data into a Hive Table

INSERT INTO table StudentDetails

values('LALALA',001,'ADD1','Kerela'),('ABCD',002,'vit','vlr'),('SUBRAMANI',3,'srm','chen'),('RAJU',4,'lp u','del'),('RAMESH',5,'stanford','uk'),('RAKESH',6,'JNTUA','atp'),('REVANTH',7,'cambridge','GERMANY');

```
hive> INSERT INTO table StudentDetails values('LALALA',801,'ADD1','Kerela'),('ABCD',002,'vit','vlr'),('SUBRAMANI',3,'srm','chen'),('RAJU',4,'lpu','del'),('RAMESH',5,'stanford','wk'),('RAKESH',5,'NTDLA','atp'),('REVANITH-7,'cambridge', 'GERMANY');

WANNING: Hive-no-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.

Ouery ID = acadgild_20180814031840_c56607a7-6e9f-4738-871c-893ffb68636f
Total jobs = 1

Number of reduce tasks determined at compile time: 5

In order to change the average load for a reducer (in bytes):
    set hive.exec.reducers.bytes.per.reducer=snumbers
    norder to Limit the maximum number of reducers:
    set hive.exec.reducers.max=enumbers
    norder to Limit the maximum number of reducers:
    set hive.exec.reducers.max=enumbers
    norder to set a constant number of reducers:
    set hive.exec.reducers.max=enumbers
    norder to set a constant number of reducers:
    set hive.exec.reducers.max=enumbers
    norder to set a constant number of reducers:
    set hive.exec.reducers.max=enumbers
    norder to set a constant number of reducers:
    set hive.exec.reducers.max=enumbers
    norder to set a constant number of reducers:
    set hive.exec.reducers.max=enumbers
    norder to set a constant number of reducers:
    set hive.exec.reducers.max=enumbers
    norder to set a constant number of reducers:
    set hive.exec.reducers.max=enumbers
    norder to set aconstant number of reducers:
    set hive.exec.reducers.max=enumbers
    norder to set aconstant number of reducers:
    set hive.exec.reducers.max=enumbers
    norder to set aconstant number of reducers:
    set hive.exec.reducers.max=enumbers
    norder to set aconstant number of reducers:
    set aconstant number of reducers.
    set aconstant number of reducers.
    set a
```

```
hive> select * from studentdetails;
0K
RAMESH 5
               stanford
                               uk
RAKESH 6
               JNTUA
                       atp
                       Kerela
LALALA 1
               ADD1
REVANTH 7
                               GERMANY
               cambridge
ABCD
                       vlr
       2
               vit
SUBRAMANI
               3
                       srm
                               chen
RAJU
       4
               lpu
                       del
Time taken: 0.284 seconds, Fetched: 7 row(s)
hive>
```

The above output shows the Insertion is successful.

Updating the Data in Hive Table

UPDATE Studentdetails set stuID = 8 where stuID = 7;

```
hive> UPDATE Studentdetails set stuID = 8 where stuID = 7;
FAILED: SemanticException [Error 10302]: Updating values of bucketing columns is not supported. Column stuid.
hive> ■
```

From the above image, we can see that we have received an error message. This means that the Update command is not supported on the columns that are bucketed.

In this table, we have bucketed the 'stulD column and performing the Update operation on the same column, so we have go the error

FAILED: SemanticException[Error 10302]: Updating values of bucketing columns is not supported. Column stuid

Performing operations on Non-Bucketed Columns.

UPDATE Studentdetails set stuname = 'BANKE' where STUID = 6;

```
NAMENING: His-on-NR is deprecated in His-2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using His-1 IX releases.

Ouery ID = acadgild_20180814032826_c318cd2b-60f0-46bc-bb3d-lbc3e168f83d

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks determined at compile time: 5

In order to change the average load for a reducer (in bytes):
    set hive.exec.reducers.bytes.per.reducer=summber>

In order to Limit the maximum number of reducers:
    set hive.exec.reducers.max=snumber>

In order to set a constant number of reducers:
    set hive.exec.reducers.max=snumber>

In order to set a constant number of reducers:
    set mapreduce.job.reduces=cnumber>

Starting Job = job. 1534187541703_0002, Tracking URL = http://localhost:8088/proxy/application_1534187541703_0002/

Kill Command = /home/acadgild/install/hadoap/hadoap-2.6.5/bin/hadoap job -kill job_1534187541703_0002

Hadoap job information for Stage:in number of mappers: 5; number of reducers:

2018-08-14 03:28:38,735 Stage: map = 0%, reduce = 0%, Cumulative CPU 7.64 sec

2018-08-14 03:28:38,735 Stage: map = 20%, reduce = 0%, Cumulative CPU 8.81 sec

2018-08-14 03:28:05,975 Stage: map = 10%, reduce = 0%, Cumulative CPU 20.34 sec

2018-08-14 03:28:05,975 Stage: map = 10%, reduce = 0%, Cumulative CPU 20.34 sec

2018-08-14 03:28:05,975 Stage: map = 10%, reduce = 0%, Cumulative CPU 20.34 sec

2018-08-14 03:28:29,59,591 Stage: map = 10%, reduce = 0%, Cumulative CPU 20.34 sec

2018-08-14 03:28:29,755 Stage: map = 10%, reduce = 0%, Cumulative CPU 20.34 sec

2018-08-14 03:28:29,755 Stage: map = 10%, reduce = 0%, Cumulative CPU 20.34 sec

2018-08-14 03:28:29,759 Stage: map = 10%, reduce = 0%, Cumulative CPU 20.34 sec

2018-08-14 03:28:29,759 Stage: map = 10%, reduce = 0%, Cumulative CPU 20.34 sec

2018-08-14 03:28:29,349 Stage: map = 10%, reduce = 0%, Cumulative CPU 20.34 sec

2018-08-14 03:29:29,349 Stage: map = 10%, reduce = 0%, Cumulative CPU 20.34 sec

2018-08-14 03:29:29,349 Stage: map = 10%,
```

```
hive> select * from studentdetails;
RAMESH
                stanford
BANKE
        6
                JNTUA
                         atp
LALALA
        1
                ADD1
                         Kerela
                cambridge
                                 GERMANY
REVANTH 7
ABCD
        2
                vit
                         vlr
SUBRAMANI
                3
                         srm
                                 chen
RAJU
                lpu
                         del
Time taken: 0.183 seconds, Fetched: 7 row(s)
hive>
```

The above Output shows the UPDATE query also successfully applied to the data.

Deleting a Row from Hive Table

delete from studentdetails where stuid=5;

Delete operation also updated data successfully. Below is the output. We have had stuid = 5 as RAMESH(refer snapshot above).

But now that entry is deleted from the table **studentdetails**.

```
* from studentdetails;
OK
BANKE
                 JNTUA
                          atp
LALALA
                         Kerela
                 ADD1
REVANTH 7
                                  GERMANY
                 cambridge
                         vlr
ABCD
                 vit
SUBRAMANI
                                  chen
RAJU
                 lpu
                         del
Time taken: 0.397 seconds, Fetched: 6 row(s)
hive>
```