

Assignment – Apache Hue

DDL statements

1. Create

create database abhilash_db

1.51s Database default ▾ Type text ▾ ⚙ ?

```
1 | create database abhilash_db
```



```
05/11/2020 10:00:00 AM
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20200504095456_dc45fe17-260f-4acc-b86f-9ac412c2a6b9); Time taken: 0.031 seconds
INFO : OK
```

Used to create new database in hive.

2. Show

1.49S Database default type text

```
1 create database abhilash_db
2 show databases
```

20/7. show databases

INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20200504095810_9f97f8c2-5a00-4d5b-93d9-ef0b66da7a8e); Time taken: 0.005 seconds
INFO : OK

Query History Saved Queries Query Builder Results (100+)

	database_name
1	0001aata
2	01_laxman
3	01anjana
4	01apple
5	02_factory
6	0316_dm

Used to show all databases in hive.

3. Use

1.00S Database default type text

```
1 create database abhilash_db
2 show databases
3 use abhilash_db
```

20/7. use abhilash_db

INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20200504095956_f414f812-f288-49e0-a7e2-c0ffc460f22d); Time taken: 0.003 seconds
INFO : OK

✓ Success.

4. Create table

```
5 create table retail.student (rollno INT, name String, score INT)
6 row format delimited fields terminated by ",";
7
8 DROP TABLE IF EXISTS retail.student;
9 create table retail.student ( rollno INT, name String, score INT) ROW FORMAT DELIMITED FIELDS TERMINATED BY ',';
```

```
INFO : Compiling command(queryId=hive_20200504102708_40e105ba-1450-4070-8faf-2c734b0144
22): create table retail.student ( rollno INT, name String, score INT) ROW FORMAT DELIMI
TED FIELDS TERMINATED BY ','
INFO : Semantic Analysis Completed
INFO : Returning Hive schema: Schema(fieldSchemas:null,properties:null)
```

✓ Success.

Table already exists

5. Drop Table

```
5 create table retail.student (rollno INT, name String, score INT)
6 row format delimited fields terminated by ",";
7
8 DROP TABLE IF EXISTS retail.student;
9 create table retail.student ( rollno INT, name String, score INT) ROW FORMAT DELIMITED FIELDS TERMINATED BY ',';
```

```
INFO : Compiling command(queryId=hive_20200504102708_40e105ba-1450-4070-8faf-2c734b0144
22): create table retail.student ( rollno INT, name String, score INT) ROW FORMAT DELIMI
TED FIELDS TERMINATED BY ','
INFO : Semantic Analysis Completed
INFO : Returning Hive schema: Schema(fieldSchemas:null,properties:null)
```

✓ Success.

Table already existed so drop and create new.

DML

1. Insert

```
11 INSERT INTO retail.student ( rollno, name, score )VALUES ( 2, "abhilash", 100 );
12
13
14
```

```
INFO : Compiling command(queryId=hive_20200504103200_434081c7-889d-4855-9522-668552b703): INSERT INTO retail.student ( rollno, name, score )VALUES ( 2, "abhilash", 100 )
INFO : Semantic Analysis Completed
INFO : Returning Hive schema: Schema(fieldSchemas:[FieldSchema(name:_col0, type:int, co
FieldSchema(name:_col1, type:string, comment=_col1)) FieldSchema(name:_col2, type:
FieldSchema(name:_col3, type:string, comment=_col3)) FieldSchema(name:_col4, type:

✓ Success.
```

2. Select

```
12
13 select * from retail.student
14
```

```
INFO : Compiling command(queryId=hive_20200504103418_8c9fb0f0-5f15-49dc-abec-f3ffdf7f9a52): select * from retail.student
INFO : Semantic Analysis Completed
INFO : Returning Hive schema: Schema(fieldSchemas:[FieldSchema(name:student.rollno, typ
FieldSchema(name:student.name, type:string, comment=_col1)) FieldSchema(name:student.score, type:int, comment=_col2)) FieldSchema(name:student.rollno, type:int, comment=_col1)) FieldSchema(name:student.name, type:string, comment=_col1)) FieldSchema(name:student.score, type:int, comment=_col2))
```

Query History Saved Queries Query Builder Results (1)

	student.rollno	student.name	student.score
1	2	abhilash	100

3. Delete / Update

```
18
19 DELETE FROM retail.student WHERE rollno=2;
20
21 update retail.student set score = 99 where rollno = 2
```

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

Deleting or updating a record throws me an error

4. Count

```
14  
15 select count(*) from retail.student
```



FS Write: 103 MB/s LV Read: 0 SUCCESS

INFO : Total MapReduce CPU Time Spent: 4 seconds 270 msec

job_1586370270970_5581

INFO : Completed executing command(queryId=hive_20200504103657_07502415-9605-473f-acc8-b4992d727689); Time taken: 33.29 seconds

INFO : OK

Query History

Saved Queries

Query Builder

Results (1)

_c0



1 1

5. Group By

```
17 select rollno, sum( score) from retail.student group by rollno
```



FS Write: 103 MB/s LV Read: 0 SUCCESS

INFO : Total MapReduce CPU Time Spent: 4 seconds 190 msec

job_1586370270970_5582

INFO : Completed executing command(queryId=hive_20200504104012_01990909-007b-40f5-b000-abf285c49ab2); Time taken: 32.224 seconds

INFO : OK

Query History

Saved Queries

Query Builder

Results (1)

rollno

_c1



1 2

100

6. Sum

19 `select sum(score) from retail.student`



FS Write: 163 MB/s, Read: 0 SUCCESS

INFO : Total MapReduce CPU Time Spent: 3 seconds 480 msec

job_1586370270970_5583

INFO : Completed executing command(queryId=hive_20200504105200_55831271-9a6e-448c-85a8-55e11fda4da5); Time taken: 31.851 seconds

INFO : OK

Query History

Saved Queries

Query Builder

Results (1)



_c0



1	100
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