**Create Database Statement:**

hive> CREATE DATABASE IF NOT EXISTS Student;

**Verify the Databases List:**

hive> SHOW DATABASES;

default

Student

**To use The Database:**

hive> use Student;

**To See the Database Location:**

hadoop> hdfs dfs -ls /user/hive/warehouse;

**Hive Table Types**

**Internal or Managed table:** You can drop the table with underlying data.

**External table:** You can drop an external table, only table metadata from Metastore will be removed but the underlying files will not be removed and still they can be accessed via HDFS commands, Spark or any other Hadoop compatible tools.

**Temporary table:** For temporary purpose.

**Transactional Table:** For transactional data purpose.

**Table Creation**

hive> CREATE External TABLE IF NOT EXISTS Student.Info(

Id int,

Name string,

Age int)

PARTITIONED BY (Gender string)

ROW FORMAT DELIMITED

FIELDS TERMINATED BY ','

STORED AS TEXTFILE

LOCATION '/data/output/';

**To See the Table Structure:**

hive> DESCRIBE student.info;

**Insert Data into Table:**

hive> INSERT INTO student.info values(7,'Maruf',23,'M');

hive> INSERT INTO student.info values(8,'Rina',50,'F');

**For Bulk Data Load:**

hive> LOAD DATA INPATH '/user/data/data.txt' INTO TABLE Student.Info;

hive> LOAD DATA INPATH '/path/to/HDFS/dir/file.csv' OVERWRITE INTO TABLE Student.Info PARTITION (Gender='M');

hive> LOAD DATA INPATH '/path/to/HDFS/dir/file.csv' OVERWRITE INTO TABLE Student.Info PARTITION (Gender='F');

**To Retrieves the all data:**

hive> SELECT \* FROM Info;

**Conditional Data Retrieve:**

hive> SELECT \* FROM Info

WHERE age=23;

**To See All Partitions:**

hive> show partitions Info;

**To Drop a Partition:**

hive>ALTER TABLE Student.Info DROP PARTITION (gender="F");

**To Repair a Partition:**

hive> Msck repair table Student.Info;