HIVE

1. Create Database

create database db\_name;

create database if not exist db\_name;

2. Create Table

CREATE TABLE [IF NOT EXISTS] table\_name (col\_name data type, col\_name data type..) COMMENT 'This table contains Student Details' ROW FORMAT DELIMITED FIELDS TERMINATED BY '\t' LINES TERMINATED BY '\n' STORED AS TEXTFILE

CREATE TABLE IF NOT EXISTS students (roll\_no int, name String, college String) COMMENT 'This table contains Student Details' ROW FORMAT DELIMITED FIELDS TERMINATED BY '\t' LINES TERMINATED BY '\n' STORED AS TEXTFILE;

3. Alter Table

Rename Table

Syntax : ALTER TABLE table\_name RENAME TO new\_name;

Example : ALTER TABLE students RENAME TO students\_details;

Add New Column

Syntax : ALTER TABLE table\_name ADD COLUMNS (col\_name data type);

Example : ALTER TABLE students\_details ADD COLUMNS (branch String);

Drop Column

Syntax : ALTER TABLE table\_name DROP [COLUMN] col\_name;

Change Column

ALTER TABLE table\_name CHANGE col\_name new\_name new \_type;

4. Drop Table

DROP TABLE [IF EXISTS] table\_name;

5. Insert Data in Table

1st Way : Load Data manually

INSERT INTO table\_name (col\_name, col\_name) VALUES (val\_1, val\_2);

INSERT INTO table\_name VALUES (val\_1, val\_2);

INSERT INTO table\_name VALUES (val\_1, val\_2), VALUES (val\_1, val\_2);

Example : INSERT INTO students\_details values (101, "Ram", "NCU", "CS");

2nd Way : Load data from a file

LOAD DATA LOCAL INPATH 'D:/dataset/data.txt' INTO TABLE table\_name;

LOAD DATA LOCAL INPATH 'D:/file\_1.txt' INTO TABLE students\_details;

3rd Way : Load data from another table

INSERT INTO table\_name SELECT \* FROM table\_2;

4th Way : Load Data from HDFS

LOAD DATA INPATH 'hdfs://localhost:9000/input\_data/emp.txt' OVERWRITE INTO TABLE employee\_2;

6. Select Data From Table

SELECT ALL FROM table\_name;

SELECT col\_1, col\_2 FROM table\_name;

Where Condition

SELECT ALL FROM table\_name WHERE condition;

Example : SELECT \* FROM students\_details WHERE college = "NCU";

Order By - Sorting Data

SELECT \* FROM students\_details ORDER BY col\_name;

SELECT \* FROM students\_details ORDER BY col\_name desc;