**DDL IN HIVE**

DDL MEANS DATA DEFINITION LANGUAGE which provide commands to create modify and remove database objects such as table.

DDL Statement in hive

Following are the DDL statements in hive

**1.CREATE DATABASE/SCHEMA, TABLE, VIEW, FUNCTION, INDEX**

**2.DROP DATABASE/SCHEMA, TABLE, VIEW, INDEX**

**3.TRUNCATE TABLE**

**4.ALTER DATABASE/SCHEMA, TABLE, VIEW**

**5.SHOW DATABASES/SCHEMAS, TABLES, TBLPROPERTIES, VIEWS, PARTITIONS, FUNCTIONS, INDEX[ES], COLUMNS, CREATE TABLE**

**6.DESCRIBE DATABASE/SCHEMA, table\_name, view\_name**

**Create database**

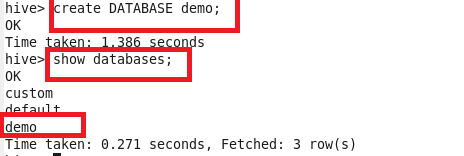
**It** is used to create a database

**Syntax**

**CREATE (DATABASE|SCHEMA) [IF NOT EXISTS] database\_name here if not exists is optional;**

**example**

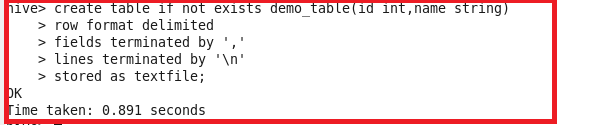
a database demo is created



**Create Table**

**Suppose we want to create a demo\_table into the above created database “demo”**

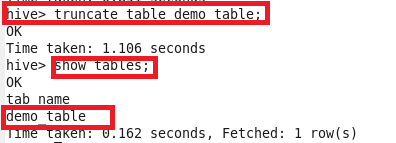
**Use “use database ” to go into database AND THE TABLE IS CREATED AS SHOWN BELOW**

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**HERE TABLE NAME IS “ demo\_table” where input fields are terminated by “,” and stored as text file.By default it is stored as text file it can also be stored as sequence file ,RC file**

**TRUNCATE TABLE:**

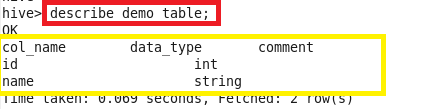
**It is used to delete all the records of a table but schema is not deleted**

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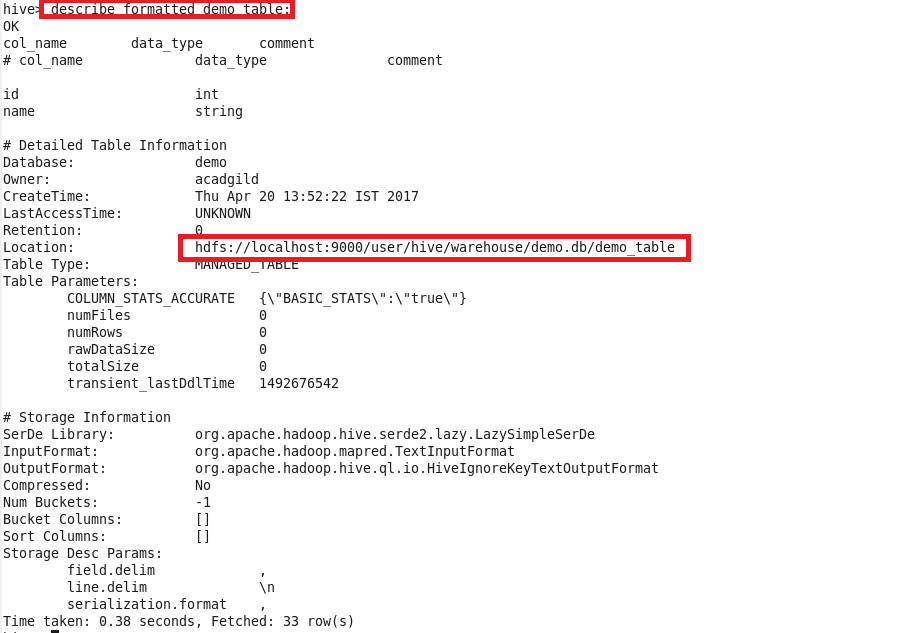
**As we see truncate table only delete the records but the table schema is not deleted**

**Describe table :**

**It is used to describe the table**

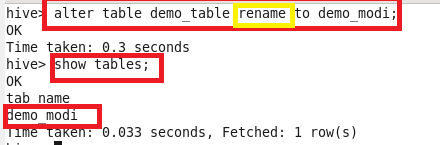
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**If we want detailed description we can use formatted word before table name as shown**

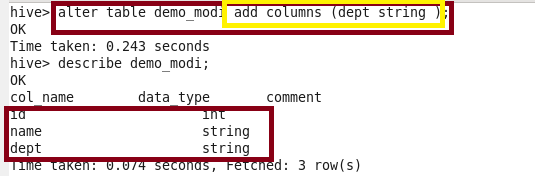
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**Alter table :**

**Alter table can be used to rename table as shown**

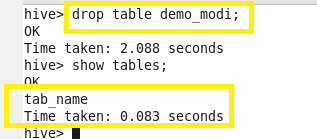
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**Alter table can also be used to add column**

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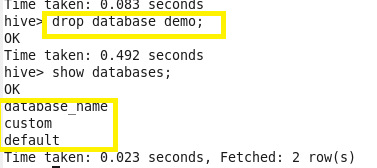
**Drop table**

**It is used to delete table with its full schema**

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**Drop database**

**It is used to delete the database**

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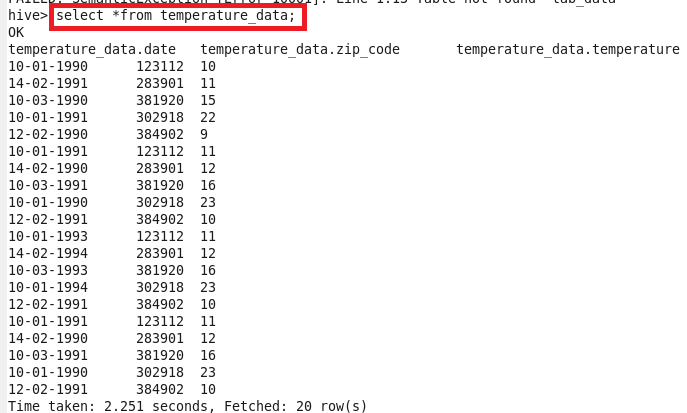
**DML IN HIVE**

**It is a sel of commands used for selecting, inserting, updating data from table**

**In hive the following DML are used**

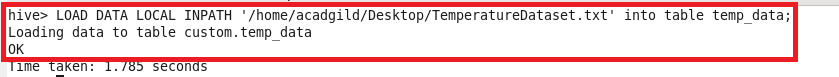
**Select:**

**It is used to select data from a table**

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**Load Data:It is used to insert data from a file in Hdfs or local location**

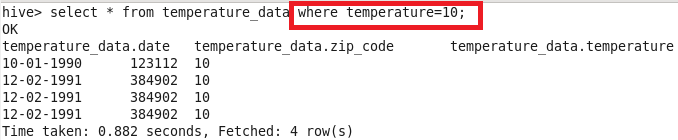
**Here data is loaded from local location as shown**

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**HiveQL Manipulations**

**Select where**

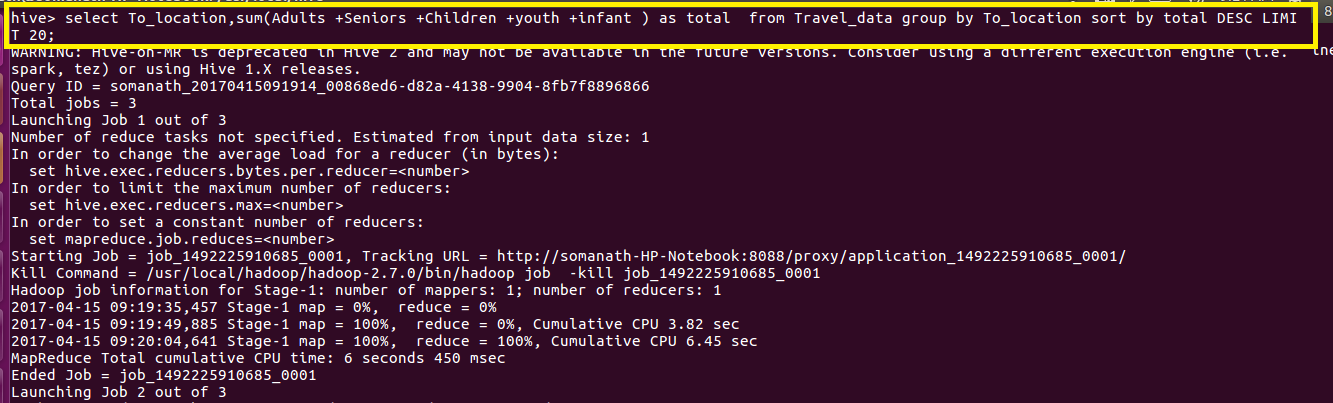
**It is used to filer data by using where as shown**

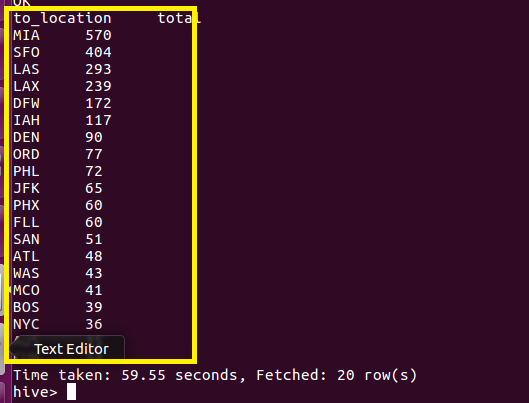
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**Select orderby/sort by**

**It is used to order the data by ascending or descending**

**Here the data is sorted based on desc order as shown below**

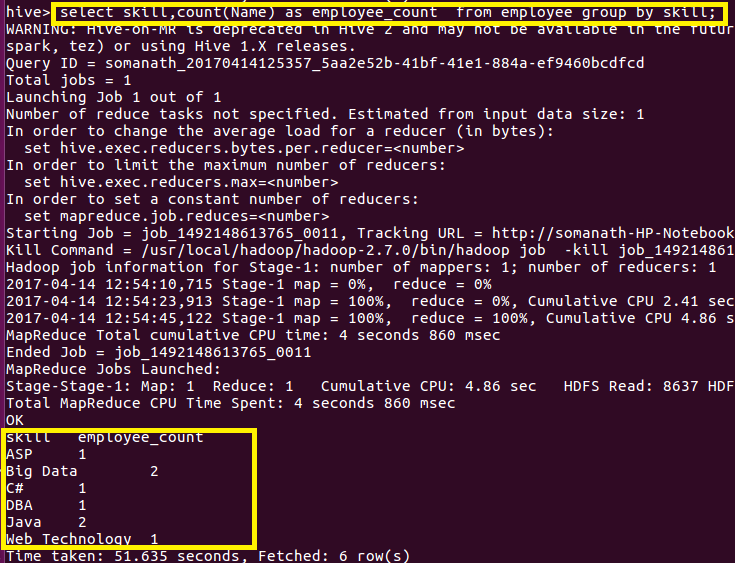
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**Select group by :**

**It is used to perform grouping operation on data selected**

**Here grouping is done as per skill and counting is made**

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