# Session 7 Assignment 3

**Hive Data Definitions**

Hive Data Definition Language or DDL consists of commands for creating Databsase, Tables, Views or dropping them. It also includes truncating a table. There are many other commands also.

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| CREATE DATABASE IF NOT EXISTS custom; | Creates a datbase custom if it doesn’t exists. |
| CREATE TABLE college (clg\_id int, clg\_name string) ROW FORMAT DELIMITED FIELDS TERMINATED BY ‘,’; | Creates a table college having fields clg\_id and clg\_name. |
| DROP TABLE college; | Drops the table college |
| TRUNCATE TABLE college | Truncates all the data from table college. |
| CREATE VIEW clg\_vw AS Select (clg\_id int) as select clg\_id from college | Creates a view clg\_vw |
| ALTER TABLE college change clg\_name college\_name string; | Changes the column name clg\_name to college\_name of table college |

**Data Manipulation Language**

Data manipulate language involves modifying, deleting or inserting data into the tables.

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| Load data local inpath ‘\home\data\college.txt’ into table college; | Loads data from college.txt to table college. |
| Insert into college values (1,’ABC’); | Inserts a row into table college. |
| UPDATE college set clg\_name=’XYZ’ where clg\_id=1; | Updates the row where college name is ABC to XYZ; (**Note:** This is possible when transactions are enabled in hive and partition, bucketing and orc format are used.) |
| Delete from college where clg\_id=1; | Deletes the row from college where clg\_id=1;  (**Note:** This is possible when transactions are enabled in hive and partition, bucketing and orc format are used.) |