# DDL Commands – CREATE, ALTER, DROP

# Analytical Questions set-1

## Aim:

To Create, Alter and Drop the table using Data Definition Language.

## Description:

Data Definition Language (DDL) statements are used to define the database structure or schema. DDL Commands: Create, Alter, Drop, Rename, Truncate

* CREATE - to create objects in the database
* ALTER - alters the structure of the database
  + DROP - delete objects from the database
* TRUNCATE - remove all records from a table, including all spaces allocated for the records are removed
* RENAME - rename an object

## SYNTAX: CREATE TABLE

CREATE TABLE table\_name (

column\_name1 data\_type, column\_name2 data\_type, column\_name3 data\_type,

*....*

);

## ALTER A TABLE

To add a column in a table ALTER TABLE table\_name ADD column\_namedatatype;

To delete a column in a table ALTER TABLE table\_name DROP COLUMN column\_name

#### DROP TABLE

DROP TABLE table\_name;

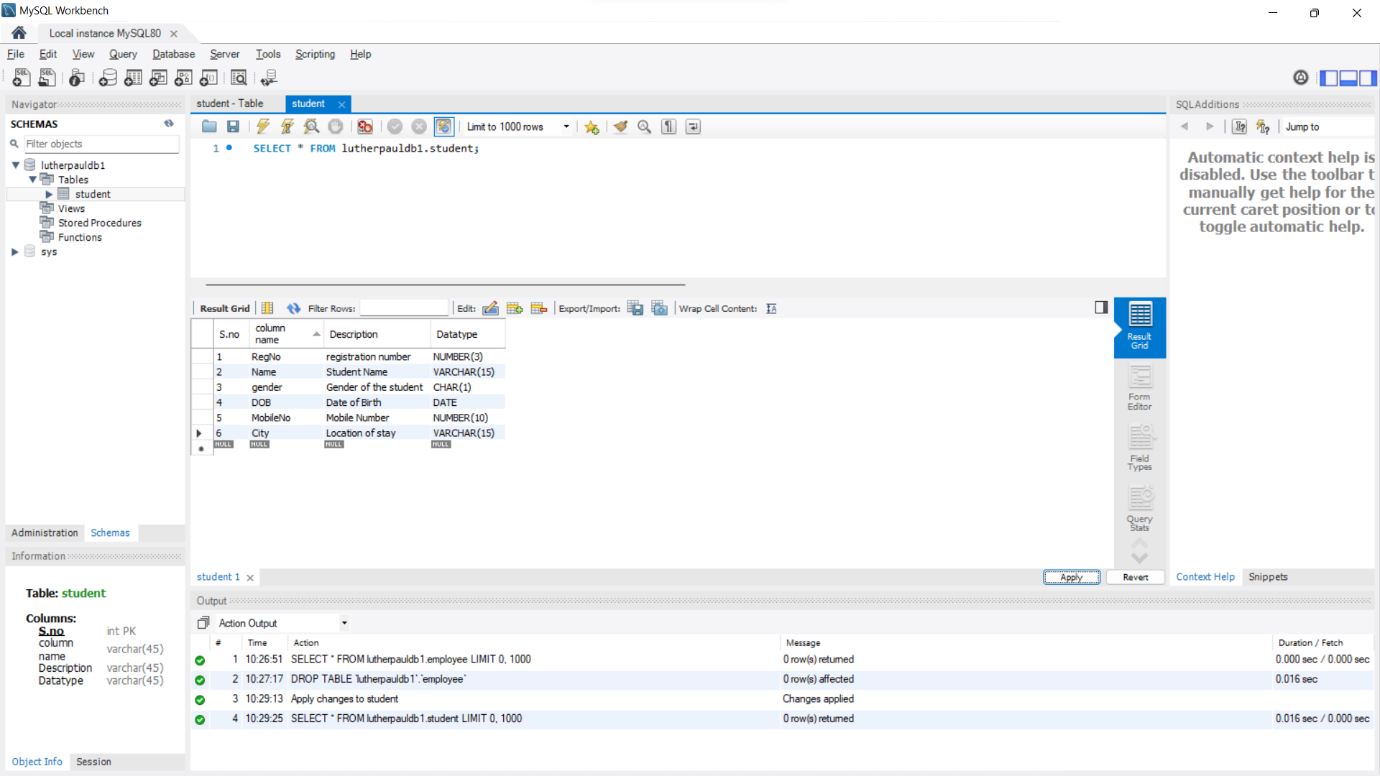
#### TRUNCATE TABLE

TRUNCATE TABLE table\_name;

#### Questions:

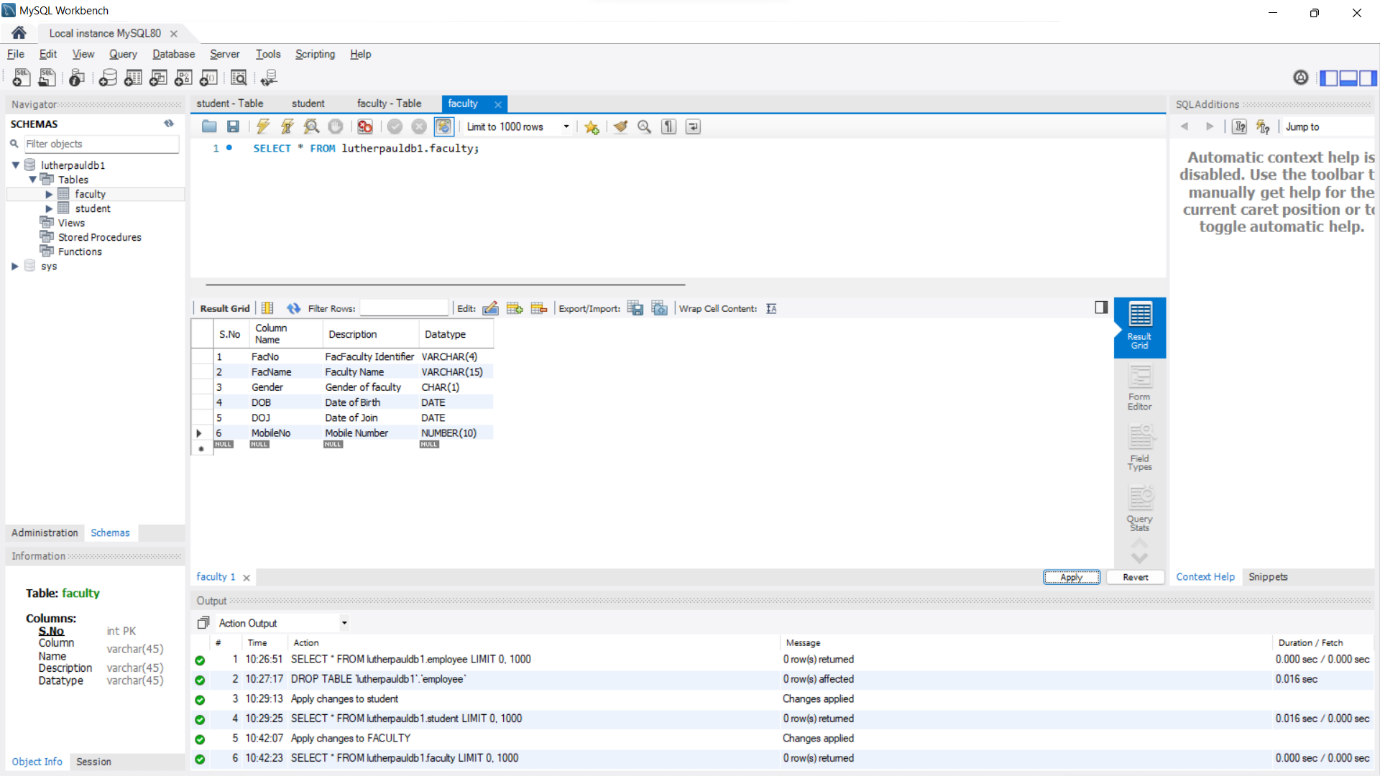
1. Create a table name STUDENT with following structure.

|  |  |  |  |
| --- | --- | --- | --- |
| # | Column  Name | Description | Data Type |
| 1 | RegNo | Registration  Number | NUMBER(3) |
| 2 | Name | Student Name | VARCHAR(15) |
| 3 | Gender | Gender of the  student | CHAR(1) |
| 4 | DOB | Date of Birth | DATE |
| 5 | MobileNo | Mobile Number | NUMBER(10) |
| 6 | City | Location of stay | VARCHAR(15) |



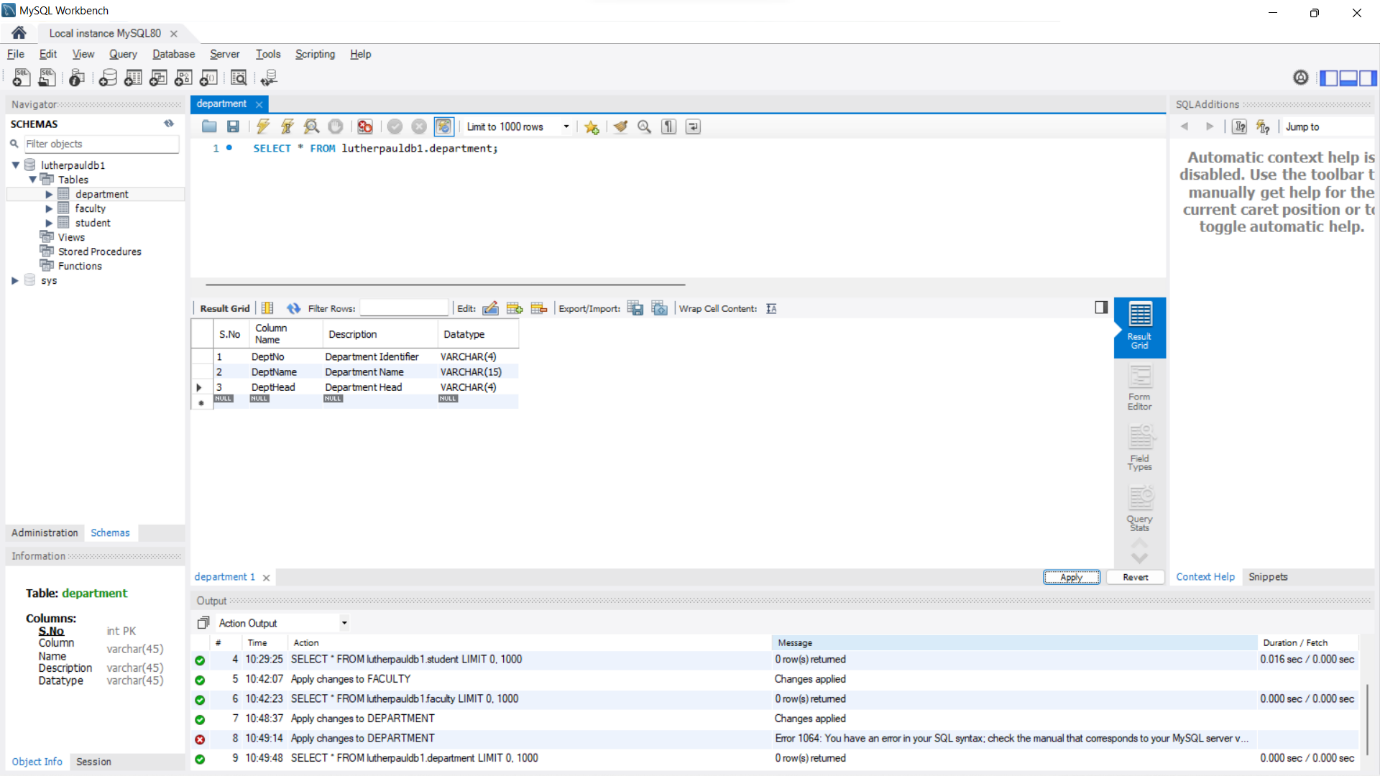
2).Create a table name FACULTY with following structure.

|  |  |  |  |
| --- | --- | --- | --- |
| # | Column  Name | Description | Data Type |
| 1 | FacNo | Faculty Identifier | VARCHAR(4) |
| 2 | FacName | Faculty Name | VARCHAR(15) |
| 3 | Gender | Gender of faculty | CHAR(1) |
| 4 | DOB | Date of Birth | DATE |
| 5 | DOJ | Date of Join | DATE |
| 6 | MobileNo | Mobile Number | NUMBER(10) |



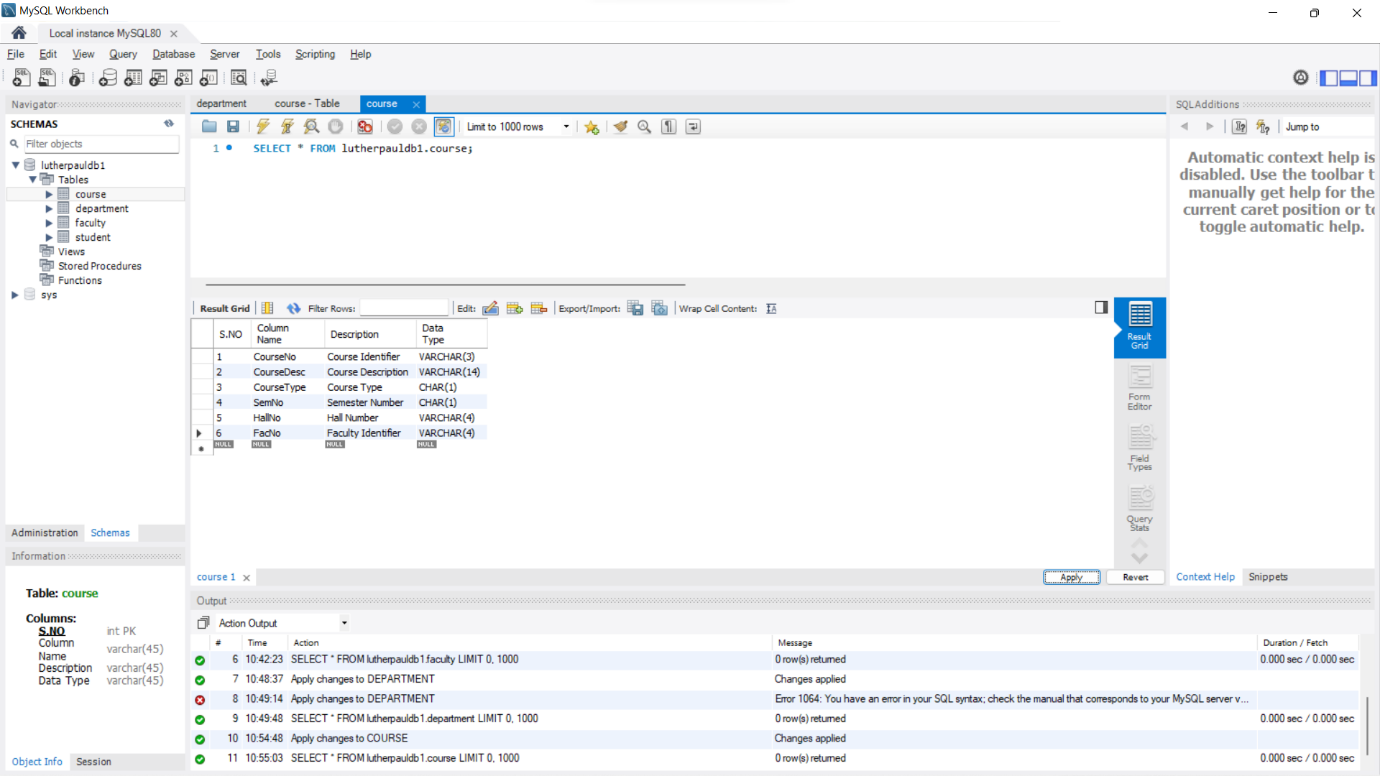
3).Create a table name DEPARTMENT with following structure.

|  |  |  |  |
| --- | --- | --- | --- |
| # | Column  Name | Description | Data Type |
| 1 | DeptNo | Department Identifier | VARCHAR(4) |
| 2 | DeptName | Department Name | VARCHAR(15) |
| 3 | DeptHead | Department Head | VARCHAR(4) |



4). Create a table name COURSE with following structure.

|  |  |  |  |
| --- | --- | --- | --- |
| # | Column  Name | Description | Data Type |
| 1 | CourseNo | Course Identifier | VARCHAR(3) |
| 2 | CourseDesc | Course  Description | VARCHAR(14) |
| 3 | CourseType | Course Type | CHAR(1) |
| 4 | SemNo | Semester Number | CHAR(1) |
| 5 | HallNo | Hall Number | VARCHAR(4) |
| 6 | FacNo | Faculty Identifier | VARCHAR(4) |



5). Modify the table FACULTY by adding a column name DeptNo of datatype VARCHAR(4)

