**DataBase Schemas Using DDL commands**

Database Name

1. create database **employee\_db;**

**DB Schema For Employee Table:**

1. **Using Create command – is used to create the database**

CREATE TABLE EMPLOYEE

(

ID INT NOT NULL AUTO\_INCREMENT,

FIRST\_NAME VARCHAR(20) NOT NULL,

LAST\_NAME VARCHAR(20) NOT NULL,

EMPLOYEMENT\_ID INT NOT NULL,

START\_DATE DATE NOT NULL,

DESIGNATION VARCHAR(20) NOT NULL,

DEPARTMENT VARCHAR(20) NOT NULL,

END\_DATE DATE NOT NULL,

E\_STATUS VARCHAR(20),

DOB DATE NOT NULL,

REPORTING\_MANAGER VARCHAR(20),

GENDER VARCHAR(20) NOT NULL,

BLOOD\_GROUP VARCHAR(20) NOT NULL,

ADDRESS VARCHAR(20),

unique key(id),

PRIMARY KEY (EMPLOYEMENT\_ID)

)

**DB Schema For Dependant Table:**

CREATE TABLE DEPENDANTS

(

ID int NOT NULL primary key,

EMPLOYEMENT\_ID int ,

FIRST\_NAME VARCHAR(20)NOT NULL,

LAST\_NAME VARCHAR(20) NOT NULL,

GENDER VARCHAR(20),

DOB DATE NOT NULL,

RELATIONSHIP VARCHAR(20),

FOREIGN KEY (EMPLOYEMENT\_ID) REFERENCES employee(EMPLOYEMENT\_ID)

)

**DB Schema for Education Qualification:**

CREATE TABLE EDUCATION\_QUALIFICATION

(

ID int NOT NULL auto\_increment primary key,

EMPLOYEMENT\_ID int,

TYPE\_COURSE VARCHAR(20),

START\_DATE DATE NOT NULL,

END\_DATE DATE NOT NULL,

TYPE\_EDUCATION VARCHAR(20),

INSTITUTION VARCHAR(20) NOT NULL,

ADDRESS VARCHAR(20) NOT NULL,

PERCENTAGE FLOAT NOT NULL,

FOREIGN KEY (EMPLOYEMENT\_ID) REFERENCES employee(EMPLOYEMENT\_ID)

)

**2.Using Truncate Command - used to remove all records from a table, including all spaces allocated for the records are removed**

Syntax :TRUNCATE TABLE TABLENAME;

example :TRUNCATE TABLE employee;

table\_name: Name of the table to be truncated.

**3.Deleting Table – Use to Drop the entire table.**

Syntax:Drop table table\_name;

Ex:Drop Table Employee;

Drop Table Dependant;

Drop Table Education\_Qualification;

**4.Alter Command - used to alter the structure of the database**

Syntax: Alter table table\_name Modify old colmn\_name new column\_name datatype

Ex: Alter table Employee Modify gender gender VARCHAR(20)

5. **Comments (3 types) - used to add comments to the data dictionary**

1. Single line comments.

Syntax: **--** Single line comment

Ex: -- select \* from employee

2.Multi line comments

Syntax: /\* Any statements \*/

Ex: /\* select \* from employee \*/

1. In line comments

EX: SELECT \* FROM /\* Employee \*/

6. **Rename** **- is used to rename an object existing in the database**

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

Ex: Alter table employee RENAME TO Labours