DBMS LAB-1

NAME:ADITI ROUT

ID:B120003

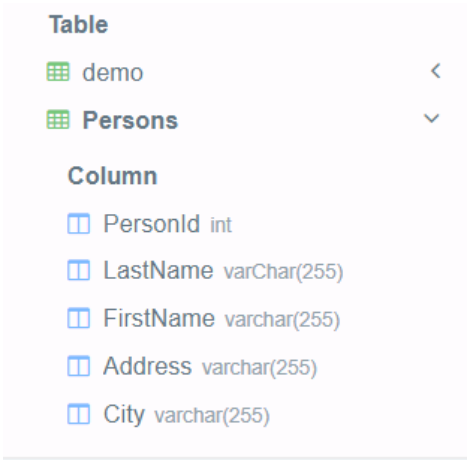
1. Use of CREATE command.

a. Syntax: CREATE TABLE Persons (PersonID int, LastName varchar(255), FirstName varchar(255), Address varchar(255), City varchar(255));

CODE:

```
CREATE TABLE Persons(

 PersonId int,

 LastName varChar(255),

 FirstName varchar(255),

 Address varchar(255),

 City varchar(255)

 );
```

OUTPUT:



b. Create a table whose details are given below.

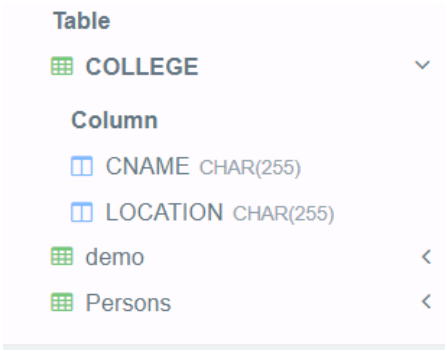
i. Name of Table: COLLEGE

ii. Attributes are: CNAME(char), LOCATION(char)

CODE:

```
create table COLLEGE(

 CNAME CHAR(255),

 LOCATION CHAR(255)  );
```

OUTPUT:



c. Create a table whose details are given below.

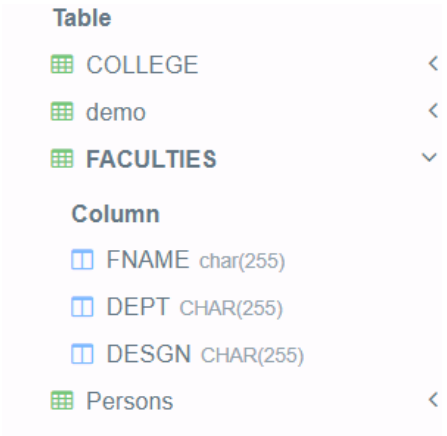
i. Name of Table: FACULTIES

ii. Attributes are: FNAME(char), DEPT(char),DESGN(char)

CODE:

```
CREATE TABLE FACULTIES  (

FNAME char(255),

DEPT CHAR(255),

DESGN CHAR(255));
```

OUTPUT:



d. Create a table whose details are given below.

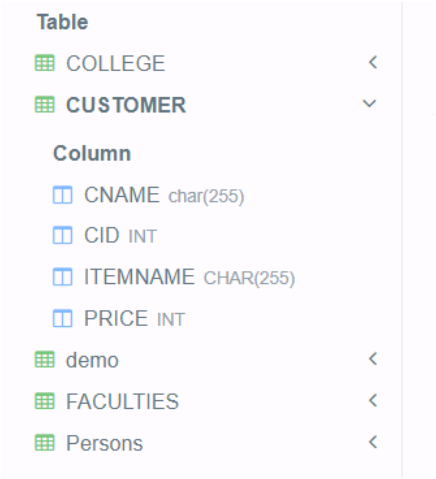
i. Name of Table: CUSTOMER

ii. Attributes are: CNAME(char), CID(int), ITEMNAME(char),PRICE(int)

CODE:

```
CREATE TABLE CUSTOMER (

 CNAME char(255),

  CID INT,

  ITEMNAME CHAR(255),

  PRICE INT);
```

OUTPUT:



e. Create a table whose details are given below.

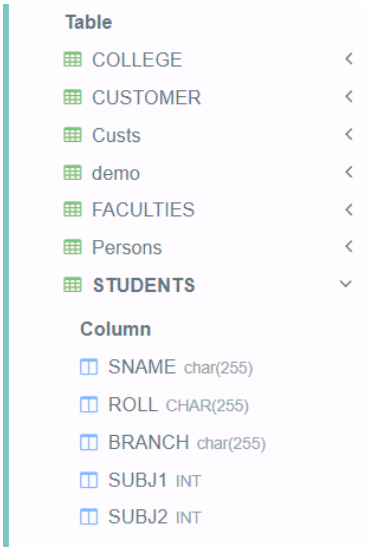
i. Name of Table: STUDENTS

ii. Attributes are: SNAME (char),ROLL(char),BRANCH(char),SUBJ1(int), SUBJ2(int).

CODE:

```
CREATE TABLE STUDENTS (

  SNAME  char(255),

  ROLL CHAR(255),

  BRANCH char(255),

  SUBJ1 INT,

  SUBJ2 INT

 );
```

OUTPUT:



2. Use of INSERT command.

a. Syntax: INSERT INTO Custs (CustomerName, ContactName, Address, City, PostalCode, Country) VALUES ('Cardinal', 'Tom B. Erichsen', 'Skagen 21', 'Stavanger', '4006', 'Norway');

CODE:

```
CREATE TABLE Custs(

 CustomerName char(255),

 ContactName Char(255),

 Address CHAR(255),

 City CHAR(255),

 PostalCode INT,

 Country CHAR(255));



INSERT INTO Custs (CustomerName, ContactName, Address, City, PostalCode, Country) VALUES ('Cardinal', 'Tom B. Erichsen', 'Skagen 21', 'Stavanger', '4006', 'Norway');
SELECT*FROM Custs;
```

OUTPUT:

CustomerName	ContactName	Address	City	PostalCode	Country
Cardinal	Tom B. Erichsen	Skagen 21	Stavanger	4006	Norway

b. INSERT into a table whose details are given below.

i. Name of Table: COLLEGE

ii. Attributes are: CNAME(IIIT), LOCATION(Bhubaneswar)

CODE:

```
INSERT INTO COLLEGE VALUES('IIIT','Bhubaneswar');

SELECT*FROM COLLEGE;
```

OUTPUT:

CNAME	LOCATION
IIIT	Bhubaneswar

c. INSERT into a table whose details are given below.

i. Name of Table: FACULTIES

ii. Attributes are: FNAME(A Kalam), DEPT(CSE),DESGN(Professor)

CODE:

```
INSERT INTO FACULTIES VALUES('A Kalam','CSE','Professor');

SELECT*FROM FACULTIES;
```

OUTPUT:

FNAME	DEPT	DESGN
A Kalam	CSE	Professor

d. INSERT into a table whose details are given below.

i. Name of Table: CUSTOMER

ii. Attributes are: CNAME(Dhruv Rathee), CID(700), ITEMNAME(Camera),PRICE(50000)

CODE:

```
INSERT INTO CUSTOMER VALUES('Dhruv Rathee','700','Camera','50000');

SELECT*FROM CUSTOMER;
```

OUTPUT:

CNAME	CID	ITEMNAME	PRICE
Dhruv Rathee	700	Camera	50000

e. INSERT into a table whose details are given below.
i. Name of Table: STUDENTS
ii. Attributes are: SNAME (ADITYA), ROLL(b1111), BRANCH(CSE),SUBJ1(75), SUBJ2(85).

CODE:

```
INSERT INTO STUDENTS VALUES('ADITYA','b1111','CSE','75','85');

SELECT*FROM STUDENTS;
```

OUTPUT:

SNAME	ROLL	BRANCH	SUBJ1	SUBJ2
ADITYA	b1111	CSE	75	85

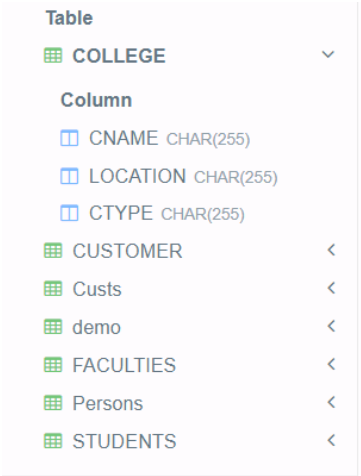
3. Use of ALTER command

a. ADD Column to a table using following details
i. Name of Table: COLLEGE
ii. Column name: CTYPE (char)
iii. Syntax: ALTER TABLE table_name ADD column_name datatype;

CODE:

```
ALTER TABLE COLLEGE ADD CTYPE CHAR(255);
```

OUTPUT:



b. DROP COLUMN of a table using following details

i. Name of Table: FACULTIES

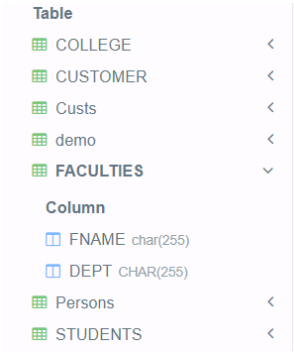
ii. Column name: DESGN

iii. Syntax: ALTER TABLE table_name DROP COLUMN column_name;

CODE:

```
ALTER TABLE FACULTIES DROP desgn ;
```

OUTPUT:



c. MODIFY COLUMN of a table using following details

i. Name of Table: COLLEGE

ii. Column name: CTYPE (int)

iii. Syntax-1: ALTER TABLE table_name ALTER COLUMN column_name datatype;

iv. Syntax-2: ALTER TABLE table_name MODIFY COLUMN column_name datatype;

v. Syntax-3: ALTER TABLE table_name MODIFY column_name datatype;

CODE:

```
ALTER TABLE COLLEGE modify ctype int;
```

OUTPUT: