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Tank No: 2 Implementation of DDL and DML
    Date: 05/08/25
                       Commands.
   Aim: To implementation of DDL commands of SQL with suitable
         examples
     · Create table
     · Alter table
     Drop table
 1. Creat table
  Def: - used to create a new table in the database.
  Query:-
  Sal
  CREATE TABLE Employer ()
     EmpID INT,
     EMPNAME VARCHAR (100),
     bepartment VARCHARCSO)1
    Salory INT
    );
   Sal
  CREATE TABLE Department (
   DeptID INT,
   DEPENDENC VARCHAR (50)
   Location VARCHAR (50)
   );
out put
 Tables employee and department created successfully.
2. Describe Con Desc
Def: Display the structure of a table Ccolumn names and data types
Query:
  Syl
  DESC Employee;
```

### Output:

Field	Type
EmpID	TNI
Emp Hane	VARCHAR (500)
Bepartment	VARCHAR (50)
Solary	INT

3. Drop Table

Def: Delets the entire table structure and all its data.

Query:

sul

DROP TABLE Employee;

Output:

Table employee dropped successfully

4. ALTER TABLE

Def: used to add, delete, & modify columns in an existing table

Quean ?

Sal

ALTER TABLE Employee ADD Joining Date DATE;

Out put X

Column joining Date added to employee

11. DML Commands (Data Manipulation Language)

Def: DML commands are used to manage and manipulate data inside database tables.

1. Insort INTO!

Def: Insert new rows into a table

Query:

SOL

INSERT Employee (Emp ID, Emp Name, Department, Salary) VALUES (1,

'Alice', HT, 50000);

INSERT INTO Employee (Emp 1D, Emp Name, Department, Salary) VALUES (2,

1BOO; IT', \$0000);

INSERT INTO Employee (Emp ID, Emp Name, Department, Salary) UALVESC3. Charlie', 'Finance', 60000);

Output:

3 rows insated into Employee table

2. Select

Def! Retrives data from one or more tables

Query:

sol

SELECT \* FROM Employee;

#### output:

Emp ID	Emp Name	Department	Shay
1	Alice	HR	50000
2	Bab	<b>P</b> Z	70000
3	choalie	Finance	60000

3. UPDATE

Def: Modifies evisting data in a table

Query!

Sal

UPDATE Employee SET Salary = 75000 where Emp Name = 'Bob',

altput

1 row updated.

After Update:

Syl

SELECT + FROM Employee',

EmpID	EmpName	Bapatment	salary
1	Alice	HR	E0000
2	Вор	7.7	75000 <b>5</b>
3	Charlie	Finance	60000

4. DELETE

Definition: Deletes one or more rows from a table

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Query:

SOL

DELETE FROM Employed WHERE EmplD = 1;

Output:

1 row deleted

After Delete:

SUL

SELECT \* FROM Employee: -

Emp ID	EmpName	Department	Salaly
2	Bob	~ 1T'	75000
3	chalie	Finance	60000

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Result: The implementation of the DDL and DML Commands

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Task 2.1
        DDL and DML Commands with Constraints
Vate: - 12/08/25
 Aim: - Imple mentation of poter and DMIL commands with constraints
DDL Commands
1.1 create table
Def: Used to create a new table in the database
Sql :-
     evente table customer (
     customer ID Primary key,
    name Varchag(100) Not NULL,
    address valchas (200),
    );
    create table customer credit cord (
    Credit card number VARCHAR (20) Primarykey
    Eupiny Date DATE, NOT NULL,
    FOREIGN key (customer ID) REFERENCES COUSTOMER (Castomer ID)
    2;
   Create table Branch
     Branch ID int Primary key,
     branch Name YARCHAR (100) NOT NULL,
     Location YARCHAR (1001,
      Ifsc-cede VARCHAR (20) UNIQUE
     ٦.
    create table Banker into (
        banker ID INT PRIMARY KEY,
        banker Name VARCHAR (100) MOT NULL,
       banker email VARCHAR (100) UNIQUE
       FOR[IGH KEY (Branch ID) REFERENCES Branch (Branch ID)
      2;
     create table banc
      bon neighber INT PRIMARY KEY,
       amount SNT
      TORFECTY KEY (customer ID) REFERENCES customer (customer ID)
       FORENGN KEY (Branch ID) REFERENCES Branch (branch ID)
```

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Name desor	-Type 300	040/a	 Himits
customer ID	Number (88)		
Name	Varichan 2 Clos	ă î	122
Address	valchal 2 (100)		10

desc costomer credit coad;

Name	Type
credit-cold number Eupiry date	Vanchar 2(20) Date
Customes ID	Number (38)

desc Branch;

1/20 SELECT \* FROM Employ

	Name	Type
	Branch 20	Number (38)
5	Branch Name	Vachas acros
J. (1)	lication	valchar acros
C)	ifsc code	Vanchas 2(10)

desc Banker info;

_	Name	Type /
	Banker ID Banker Name Banker email Branch ID	Number (3e) VARCHAR 2(60) VARCHAR 2 (60) Number (3e)

desc loans:

Type
Number (38)
OHX Number (30)
Mumber (38) Number (38)

der amount (3) 070000

OTAL (20)	) T
Mame MANNE	Type
Account number	Number (39)
Balance Category	Number (38)
Customer 30.	VARCHAR 250)
Branch ID	Mumber (38) Mumber (38)

Igni sot & HuerA

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Create table Account (
     Occount number INT PRIMARY KEY
      balance INT
     category UNRCHAR ( GE)
      FOREIGN KEY (cistomes 20) REFERENCES, customes (customes ID)
      FOREIGN KEY C branch ID) REFERENCES branch C Branch ID!
     );
1.2 Alter table
  MESS table constomes add ph-no MRCHAR (10);
1.3. Trancate lable
                                    wid red
    Trucate table Loan
I'LI Rensume table
    Rename table customer to customer
2. DML Commands
2.1 Insect data :-
insert into costomer (customer ID, Hame, address, Ph. no)
Values (238, 'Ram', 'Chennai', '8345678911);
insert into costomer credit cond (condit and number; enpiry-data)
values (83279 528 6234, 12. Mar-2010);
insert into Branch (Branch ID, branch name, location, itse coole)
 values ( usqo, 'Chennai branch', 'Chennai', 89254 567031,);
 insert into Banker into (banker ID, banked Name, banker email)
 Values (7896, Chandu', 'chandu41@gmail.com);
         (7897) nandher, Wandker PR@gmail. com);
insert ( into loan ( loan number, amount)
    Value (8996, 5000);
insert into Account (account number, balance, category)
   Values (58985423168, 100001 'Savings');
2.2 Update Data!
  update customer set Name = 'Vinay / where customer ID = 288;
23 Delete Data:
   Delete from Banker info where banker ID= 7896;
24 Select Data:
      select name, Ph- no from customer;
```

Name	NUIL	Type
Customer 20	HOTHULE .	Number (38)
Name	NOT NULL	VARCHAR ECIO)
Address	NOT WULL	VARCHAR ZCOO)
Ph-no		VARCHAR Q(1∞)

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1.4 Rename Table: -

Table Renamed

#### Inset customer

Insert customes			1	TI randice
Customed ID	Name	Address.	Tohino 12 1 2011	mane vasch
<b>వి</b> ర్యే	Ram		834567891	

# Insert-credit cold number - In the second stand of the

Credit card number	eupiry date	customer I.D.
8 32992586 234	12-Mas -2010	M JESSE ME M
(OF FRINGEROD ) HEMSEL	140 Patharaay	12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Branch-ID

D of		111111	819 - 300 mg - 7 -	
Branch ID	Branch Name?	location	rifsc-code	Ī
4590	Chennai branch		8975459581	

### Insert Banker info

				./ /
.	Banker 10	Banker name	Parks a 1	Boanch ID
	7896			perion TD
		Chardu	chandu @	98486429
ž			9 mail: com	4590

### Instert boan

1/2000			
lean number	amount	Customer ID	Branch ID
3996	50000	259	4590
	Company of the Compan	1	

## Inselt account number

account Number	balance	Category
5985433 108	10000	Sowings
The state of the s		

After update the table 13 page 11 19 down 2 was sustamen ID Name Address Phinoine physics (1) 238 11) 10 de Vinay2 8 3056787211 1707 Chennai Sward 2 111 4519823 :( After deleting the table: added malla Banker email Banker name Branch ID Banker ID 7897 nandhu nandhy 72 @ gmallicom Name Phno Remains tolds interned to the Ram 83456789 Carrie Men i mez . isani, chenga . isas zaulo Gibsonia 1 Land - Wholly Remoral ody grading MANGETON CT. HOTA PET FIRE SUILLINGE (sky safe nothered, smoon bonned, is domina) der as obi disani strong Lange Dipatractor introduction are Committee of the whole was the sent Tolorsono, replaced many and addy to have ( ) (choop , spin ) suid Commerce survived, women whose cold should the second Comment Continued I would be a state of the same ext is an entry which of the contract of any of the motion The street of the state of the state and prober made modern NA + show todas

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Result:

The implementation of DDL and DML Commonds with Constraints are executed Successfully