

Task 2

Date :- 12/08/2025

# Generating Design of other Traditional Database Model.

RIM

obj-SQL To implement DDL command <sup>and DML Command</sup> of SQL data base system.

## 1. Data Definition Language (DDL) Commands

### i. Commands

Def :- used to create a table in the data base

Create table student ~~is~~ (student\_name varchar(50),  
student\_id int, student\_department varchar(50),  
student\_joining\_date varchar(60));

Output

Table created.

## 2. Describe or DESC

Def :- Shows table structure

DESC  
output

Field	Type
student_name	varchar (50)
Student ID	int
student_department	varchar (50)
student_joining_date	varchar (50)

## II: DML Command

Def:- DML command used to manage and manipulate data inside database

### 1. Insert into:-

Def:-

Add values

Insert into student values ('Varun', 150, 'CSE', 2024-08-29)

Insert into student values ('Adi', 100, 'CSE', 2024-08-29)

### 2. Select

DSE :- show the entire table data

Select \* from student;

### Output

student name	student ID	student dept	joining date
Varun	150	CSE	2024-08-29
Adi	100	CSE	2024-08-29

### 4. Delete

Def:- Delete rows from table  
Delete from student where ID = 100

student name	student id	student dept	Join date
Varun	150	CSE	2024-08-29

### 3. Drop table

Def: Delete the entire table.

Drop table student;

Output:-

Table dropped.

### 4. Alter table

Def: Add or remove existing table.

Command

Alter table student Add student\_Age in

Output  
Column Age added to student

student ID	student name	student Dept	Joining date	student Age
100	Vasun	CSE	2024-08-09	20

5 Select with where clause

Def:- Retrives specific record

sel>

select \* from student where department=CSSE

Op

Student name	student ID	student Dept	Join date
Vadun	100	CSSE	2024-08-20



VEL TECH	
EX NO.	EX
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	0
RECORD (5)	-
TOTAL (20)	10
SIGN WITH DATE	

07/08/2024

Result

Thus The ~~task~~ of creation, deleting and altering the database of the table are executed successfully.

## Task 22 DDL and DML Commands with Constraints

Date:- 5/8/25

AIM

To implement DDL + DML commands with constraints

DDL :- (Data Definition Language) →  
Create, Alter, Drop, Truncate, Rename

DML :- (Data manipulation language) → insert  
update, Delete / Select.

### 1.1 Create Table :-

```
create table Student_Patient (
    StudentID INT Primary Key,
    Student_name Varchar(50),
    Gender Varchar(1) Check (Gender IN ('M', 'F')),
    Age INT check (Age > 0),
    Contact_Number Varchar(10),
    Address Varchar(100);
```

O/P

Table created

Create table teacher (TeacherID Primary Key  
Teacher name Varchar (50), Subject Varchar(50)  
Phone\_number Varchar (15) Unique  
Address Varchar(100));

O/P

Table created

Create table Standard (ClassID Primary Key  
Student ID NOT NULL, TeacherID NOT NULL,  
Class Date Default Current\_date,  
Topic Varchar (200));

Foreign key (StudentID) Reference student  
(StudentID)  
Foreign key (TeacherID) Reference Teacher(TeacherID)

O/P

Table created

Alter Table

Alter table student Modify ContactNumber(20);

O/P

Table Altered

## Truncate Table

~~T~~ Truncate Table student class;

~~R~~ ~~Table Truncated~~

## Rename table

Rename table student to students,

OIP

Table Renamed

## DML

③ Insert:- Add values to the table

Insert into students (student ID, Student Name,  
Gender, Age, Contact Number) Values

~~Record Add~~

~~too ADC~~

Values (101, ABC, Male, 18, 1234567890)

UPdate

Q/P

ID	Name	Gender	Age	Number
101	ABC	MALE	18	1234567890

Update

UPdate patient details on table

UPdate students set age = 19 where student ID = 101 ;

Result

Q/P

Student ID	Name	Gender	Age	Number
101	ABC	MALE	19	1234567890

Delete data

Delete data from table

Delete From students where age = 19

Q/P

Table Deleted.

VELTECH	
EX No.	02
PERFORMANCE (5)	5
RESULT AND ANALYSIS (3)	3
VIVAVOICE (3)	0
RECORD (4)	—
FATAL (15)	10
WITH DATE	07/07/18

Result      SQL and DML commands

Thus The ~~task~~ for create, Alter, truncate, delete is verified successfully.