Task-2.1 ODL & DDL Commands Generating Design of other traditional base Aim: To perform (DDL) data defination language and (DML) Data Manipulacation Commands DDL Commands Greate Drop -) Altel -1 rename DML Command -) Insat 1 undarte -1 Delete Select DDL Commands ! * Creating a Table by using Create Commands. CREATE Table Student (sta-id int, stu-name varchar (30), stu department varchar (20), sturgender varchar (30), Stu-ph-no int: * using ALTER command we can add or mar the column. Syntax ' ALTER TABLE Student - Add column stu-deport-d int;

```
DIOD
Drop Command is used to drop the toble
Completely Drop Table student
TRUNCATE!
Truncale Command is used to all data but
keep structure.
Truncate Table student.
 DML Commands
Insert
Insert Command is used to insert the values
to the table
INSERT INTO STUDENT VALLES
    (30628, 'Sonjay', CSE', Mde, 9682486)
    (28800, 'sharvan, (CSE', 'mde', 86 2431')
  UPDATE
Update Command is used to update the
Enisting records.
      UPDATE Student
      SET stu-hame = 'Sanjay'
      where stu-10 = 28800;
  DELETE
Delete Command is used to operate the
 Existing records.
         Updat
    Delete from student
     where stu-Id= 28800
```

*

SELECT select Command is used to retrieve the records form table SELECT * from student stugender stumm-no S.NO stu-in stu-nome stu-dep ortment mak 988698 30628 Rom cst En'. CREATE TABLE STUDENTS (Poll-no INT 1 Nome VARCHAR(30) Age INTI Course, VARCHARBON ALTER TABLE STUDENTS ADD Email VARCHAR (50); INSERT IN TO students VALUES (1/ 'Sanjay', 19, 'B tech', 'sonjay (ag mail am) (a, 'Roy', a, 'Brach', 'roy@gmail.com') (31 'Arun' 20, 'Brech', 'arun@gmail.com) UPDATE students SET Empil = vtu 30628@gmail.com where Roll-no=1; DELETE FROM STUDENTS where ROII-00 = 2. SELECT & FROM STUDEMS SNO Roll-no Name Age Course E-mail Rom 19 B. Tech Rambly mailen 1 2 3 Roy 20 Bitech royagmoil-Can

SELECT Name From students;

S.NO Name

1 Ram

Roy

SELECT * FROM students where name = "sanjay",

where name = "sanjay",

sino Rollno Name Age Gurse Email

Resulti- All the DOLAND DAL Commands are

Som 90

VELTEC	0 1
EX No.	2.1
PERFORMANCE (5)	- 6
RESULT AND ANALYSIS (5)	5
VIVA YOCE (5)	4
RECORD (5)	
TOTAL (20)	14 Jat
SIGN WITH DATE	(W) and by

Somla gmaile

B. Jech

DDL and DML Commands

Aim: To perform DDL and DAL Commands with contains in sol

Constraints

- NOT & NULL
- -) UNIQUE
- Primory key
- -) foreign kay
- -) check
- -) default

2+ Ensures a column connot store Noll values.

SYNTAX!

CREATE TABLE TABLE NAME

COLUMNAME DATATYPE NOT NULL):

UNIQUE!

It Ensure all values in a column are unique

SYNTAY

CREATE TABLE table name (

) columname dodalype unique);

Primary key:

It is a Combination of NOTNUIL

and UNIQUE

FOREIGN KEY It Ensures volues in one table match values in another table SYNTAX FOREIGN KEY (Columnome) REFERENCE another table name (column name) DEFAULT! = - It provides a default value for a column when name is Specified Enample? CREATE TABLE DEPARTHENT DEPT-ID INT PRIMARITEV DEPT - HAME VARCHAR(20) UNIQUE NOT NULL), CREATE TABLE STUDENT (STU-ID INT PRIMARY KEY, STU-NAME VARCHAR (ID) NOT HULL! STU- DEPARTMENT INT DEFAULT 101, STO- GENDER VARCHARIB) CHECK (STU -GENDER IN [MALE! STU-PHNU BIGINT UNIQUE, FUREIGN KEY (STU-DEPARTMENT) REFERIE-NCES DEPARTMENT (DEPT-IDI); INSERT INTO DEPARTMENT VALUES (1011 cse!) (102, 'ECE'); (1031 ' 77')

SELECT FROM STUDENT -> BEFORE DERFORMING comman d ALTER STU-Phn/ 57U-STU-ID STU-Home STU- DEPARTMENT GENTER a87654321 MALF CSE RAVI 98765432 ff Malf Q KIRAN ECF 2 DEPARTMENT - BEFORE PERFORMING SELECT & FROM ALTER COMMAND Stu-ID 101 CSE ECE 2 102 3 IT 103 -- after Perimary-up that SELECT FROM STUDENT STO Email 5701 5TU STU 5:NO STU' Ph Nb DEPART wame $\mathcal{I}D$ MANJ NUII Mak 102 Chondu 1 ļ Female NOLL Nishile 103 2 select * From STUDENT ... after performing delete Command STU 510 57U-ID 570 570. SINO ema/ Cherda Nome DEPARTMENT Male HULL Chandu 100 1

INSERT INTO STUDENT VALUES (1, 1RAVI', 102, MALE! 987654110) (2. ANITA', FEMALE', 9876543210); SELECT " FROM DEPARTMENT, SELECT " FROM STUDENT; ALTER TABLE STUDENT! ADD STU- EMAÎL VARCHAR (50) DEFAULT ' veltech@gmail.com'; STU-P 570-570-STU-ID STU-NAME STU-CHE GENDER DEPARTMENT 9241321054 NOW MALE RAVI 102 01876543210 Nu FEMALE 101 ANITA 2 UPDATE STUDENT SET STU-DEPARTMENT = 101 where stur NAME = 'ANDA' DELETE FROM DEPARTMENT WHERE DEDT-ID = 103; INSERT INT STUDENT VALUES

(21 'ANITA , 'FEMALE 1,93876543210);

(7, shresta, 'Female', 9876593210);

SELECT + FROM STUDENTS - AFTER inserting values

-	1		1		,
	STU-NAME:	STU DEPAR	STU- GENDER	STU-Phno	STU-GMAIL
1	RAVI	102	MALE	984543210	NUCL
2	ANITA	10/	TEMALE	9876501234	veltah Ogmal
3	Shresa	101	FEMALE	939872805)	· Vertech @ gn.d

SELECT * FROM DEPARTMENT: -- After inserting

RECORD LANGE OF THE PARTY OF TH	pertip	nept Name
,	101	· cse
0	102	C-C-E
3	103	21

DROP TABLE DEPARTMENT!

could not drop object 'DEPARTMENT' because Ctps referenced by a FOREIGN KU CONSTRAIM. To solve this first ove have to drop student table to drop DEPARTMENT TABLE.

Result: All the DDL and DML commands are with Constraints one performed and eneuted successfully

NO.	2 02
TPTORMANCE (5)	5
RI SULL AND ABALYSIS (5)	5
VIVA VOCE (5)	2
(1)(31)	-
(20)	15