***TASK-01:***

CREATE TABLE STUDENT\_INFO(

ID INT(10) PRIMARY KEY,

NAME VARCHAR(50),

CGPA FLOAT (10,2),

SECTION VARCHAR(2),

COURSE VARCHAR (10)

);

INSERT INTO STUDENT\_INFO (ID,NAME,CGPA,SECTION,COURSE)

VALUES (1,'RATI',3.45,'A','CSE311'),

(2,'AKIB',3.90,'A','CSE312'),

(3,'ESHA',2.95,'B','CSE312'),

(4,'NABIL',3.04,'A','CSE311'),

(5,'BIJOY',3.67,'B','CSE312');

**AND OR NOT:**

SELECT CGPA FROM STUDENT\_INFO

WHERE NAME = 'NABIL' OR ID = 5;

SELECT CGPA FROM STUDENT\_INFO

WHERE NAME = 'NABIL' OR ID = 5 OR SECTION = 'A' AND COURSE = 'CSE312';

SELECT CGPA FROM STUDENT\_INFO

WHERE NAME = 'NABIL' OR (ID = 5 OR SECTION = 'A') AND COURSE = 'CSE312';

SELECT NAME FROM STUDENT\_INFO

WHERE CGPA != 4.00;

**DATATYPE**

**Numeric:**

1. Tiny int (1 byte)
2. Small int (2 byte)
3. Int (4 byte)
4. Bit (1 bit)
5. Float
6. Decimal

**String:**

1. Char
2. Varchar
3. Text

**Other:**

1. Date – time
2. Date
3. Time
4. Year
5. Image

**Alter ,Add, Drop:**

ALTER TABLE STUDENT\_INFO

ADD COURSE\_NAME VARCHAR (20);

START TRANSACTION;

UPDATE STUDENT\_INFO

SET COURSE\_NAME = 'DBMS'

WHERE COURSE = 'CSE311';

UPDATE STUDENT\_INFO

SET COURSE\_NAME = 'DBMS\_LAB'

WHERE COURSE = 'CSE312';

COMMIT;

#Delete column from a table

ALTER TABLE STUDENT\_INFO

DROP COURSE\_NAME;

**Drop,delete,trucncate:**

1. Truncate – only delete cell data, structure intact
2. Delete – completely delete, both cell data and structure