//first lab simple table

+------+--------------+

| roll | Student\_Name |

+------+--------------+

| 17 | shofikul |

| 100 | Rakib |

| 56 | Jony |

| 67 | Kashem |

+------+--------------+

CREATE TABLE students (

roll INT,

Student\_Name VARCHAR(30)

);

INSERT INTO students (roll, Student\_Name) VALUES

(17, 'shofikul'),

(100, 'Rakib'),

(56, 'Jony'),

(67, 'Kashem');

SELECT \* FROM students;

+------+--------------+

| roll | Student\_Name |

+------+--------------+

| 17 | shofikul |

| 100 | Rakib |

| 56 | Jony |

| 67 | Kashem |

+------+--------------+

+------+--------------+

| roll | Student\_Name |

+------+--------------+

| 17 | shofikul |

| 100 | bangladesh |

| 56 | Jony |

| 67 | Kashem |

+------+--------------+

// second day lab class

CREATE TABLE students (

roll INT,

Student\_Name VARCHAR(30)

);

INSERT INTO students (roll, Student\_Name) VALUES

(17, 'shofikul'),

(100, 'Rakib'),

(56, 'Jony'),

(67, 'Kashem');

SELECT \* FROM students;

UPDATE students

SET Student\_Name = 'bangladesh'

WHERE roll = 100;

SELECT \* FROM students;

CREATE TABLE students (

roll INT,

Student\_Name VARCHAR(30)

);

INSERT INTO students (roll, Student\_Name) VALUES

(17, 'shofikul'),

(55, 'abcd'),

(56, 'defg'),

(67, 'qwerty');

UPDATE students

SET Student\_Name = 'bangladesh'

WHERE roll = 67;

ALTER TABLE students ADD present VARCHAR(5);

SELECT \* FROM students;

ALTER TABLE students DROP COLUMN present;

ALTER TABLE students ADD present VARCHAR(5);

SELECT \* FROM students;

ALTER TABLE students DROP COLUMN present;

ALTER TABLE students RENAME COLUMN Student\_Name TO name;

SELECT \* FROM students WHERE roll = 56;

UPDATE students

SET present = 'yes'

WHERE roll = 56;

SELECT \* FROM students;

// third day lab class

CREATE TABLE Employe\_Table(

ID INT (3) primary key ,

Name VARCHAR(30),

salary int(10)

);

INSERT Employe\_Table (Id, Name, salary) VALUES

(17, 'shofikul' ,100000),

(35, 'shamil', 100000),

(30, 'Sakib ' ,100000),

(20, 'shahin',100000);

SELECT \* FROM Employe\_Table ;

//adding alter table

CREATE TABLE Employe\_Table(

ID INT (3) primary key ,

Name VARCHAR(30),

salary int(10)

);

INSERT Employe\_Table (Id, Name, salary) VALUES

(17, 'shofikul' ,100000),

(35, 'shamil', 100000),

(30, 'Sakib ' ,100000),

(20, 'shahin',100000);

SELECT \* FROM Employe\_Table ;

ALTER TABLE Employe\_Table add nafis varchar (10);

SELECT \* FROM Employe\_Table ;

// joining date

CREATE TABLE Employe\_Table(

ID INT (3) primary key ,

Name VARCHAR(30),

salary int(10)

);

INSERT Employe\_Table (Id, Name, salary) VALUES

(17, 'shofikul' ,100000),

(35, 'shamil', 100000),

(30, 'Sakib ' ,100000),

(20, 'shahin',100000);

SELECT \* FROM Employe\_Table ;

ALTER TABLE Employe\_Table add joining\_date DATE ;

SELECT \* FROM Employe\_Table ;

//rename

CREATE TABLE Employe\_Table(

ID INT (3) primary key ,

Name VARCHAR(30),

salary int(10)

);

INSERT Employe\_Table (Id, Name, salary) VALUES

(17, 'shofikul' ,100000),

(35, 'shamil', 100000),

(30, 'Sakib ' ,100000),

(20, 'shahin',100000);

SELECT \* FROM Employe\_Table ;

ALTER TABLE Employe\_Table rename column Name to Employe\_name ;

SELECT \* FROM Employe\_Table ;

CREATE TABLE Employe\_Table(

ID INT (3) primary key ,

Name VARCHAR(30),

salary int(10)

);

INSERT Employe\_Table (Id, Name, salary) VALUES

(17, 'shofikul' ,400000),

(35, 'shamil', 300000),

(30, 'Sakib ' ,200000),

(20, 'shahin',100000);

SELECT \* FROM Employe\_Table ;

ALTER TABLE Employe\_Table add nafis varchar (10);

ALTER TABLE Employe\_Table add joining\_date DATE ;

SELECT \* FROM Employe\_Table ;

ALTER TABLE Employe\_Table rename column Name to Employe\_name ;

SELECT \* FROM Employe\_Table ;

UPDATE Employe\_Table SET nafis= 'yes' WHERE id in (17 ,20 ,30 ,35);

UPDATE Employe\_Table SET joining\_date= '2024-10-25' WHERE id in (17);

SELECT \* FROM Employe\_Table ;

SELECT \* FROM Employe\_Table order by salary desc ;

Output:

+----+----------+--------+

| ID | Name | salary |

+----+----------+--------+

| 17 | shofikul | 400000 |

| 20 | shahin | 100000 |

| 30 | Sakib | 200000 |

| 35 | shamil | 300000 |

+----+----------+--------+

+----+----------+--------+-------+--------------+

| ID | Name | salary | nafis | joining\_date |

+----+----------+--------+-------+--------------+

| 17 | shofikul | 400000 | NULL | NULL |

| 20 | shahin | 100000 | NULL | NULL |

| 30 | Sakib | 200000 | NULL | NULL |

| 35 | shamil | 300000 | NULL | NULL |

+----+----------+--------+-------+--------------+

+----+--------------+--------+-------+--------------+

| ID | Employe\_name | salary | nafis | joining\_date |

+----+--------------+--------+-------+--------------+

| 17 | shofikul | 400000 | NULL | NULL |

| 20 | shahin | 100000 | NULL | NULL |

| 30 | Sakib | 200000 | NULL | NULL |

| 35 | shamil | 300000 | NULL | NULL |

+----+--------------+--------+-------+--------------+

+----+--------------+--------+-------+--------------+

| ID | Employe\_name | salary | nafis | joining\_date |

+----+--------------+--------+-------+--------------+

| 17 | shofikul | 400000 | yes | 2024-10-25 |

| 20 | shahin | 100000 | yes | NULL |

| 30 | Sakib | 200000 | yes | NULL |

| 35 | shamil | 300000 | yes | NULL |

+----+--------------+--------+-------+--------------+

+----+--------------+--------+-------+--------------+

| ID | Employe\_name | salary | nafis | joining\_date |

+----+--------------+--------+-------+--------------+

| 17 | shofikul | 400000 | yes | 2024-10-25 |

| 35 | shamil | 300000 | yes | NULL |

| 30 | Sakib | 200000 | yes | NULL |

| 20 | shahin | 100000 | yes | NULL |

+----+--------------+--------+-------+--------------+

// 20-10-24 tarikh 3 rd lab class sir ja poraicen

CREATE TABLE Employe\_Table(

empid INT ,

Name VARCHAR(20) not null ,

salary double(6,2)

);

INSERT Employe\_Table VALUES (0008, 'clark', 2454.34) ;

INSERT Employe\_Table VALUES (0125, 'dave', 4235.55) ;

INSERT Employe\_Table VALUES (0002, 'Ada', 4500.24) ;

INSERT Employe\_Table VALUES (0005, 'Ava', 2454.34) ;

ALTER TABLE Employe\_Table add primary key (empid) ;

SELECT \* FROM Employe\_Table ;

ALTER TABLE Employe\_Table add joining\_date DATE ;

SELECT \* FROM Employe\_Table ;

UPDATE Employe\_Table SET joining\_date= '2024-10-25' WHERE empid-0002;

SELECT \* FROM Employe\_Table ;

order by salary desc ;

SELECT \* FROM Employe\_Table ;