SQL Practiced queries: K.Dhanamjay (FREE GURUKUL TEACHER)

--To create a table

```
CREATE TABLE Student (
    StudentID INT PRIMARY KEY,
    FirstName VARCHAR(50),
    LastName VARCHAR(50),
    DateOfBirth DATE,
    Gender VARCHAR(10),
    Major VARCHAR(50) );
```

-- Add a 'Fees' column to the Student table
```
ALTER TABLE Student
ADD Fees DECIMAL(10, 2);
```

-- Insert data into the Student table, including the Fees column
```
INSERT INTO Student (StudentID, FirstName, LastName, DateOfBirth, Gender, Major, Fees)
VALUES   (1, 'John', 'Smith', '2000-05-15', 'Male', 'Computer Science', 2500.00),
    (2, 'Mary', 'Johnson', '2001-02-28', 'Female', 'Engineering', 2700.50),
    (3, 'David', 'Lee', '1999-11-10', 'Male', 'Biology', 2300.75),
    (4, 'Sarah', 'Williams', '2000-08-03', 'Female', 'Psychology', 2200.00),
    (5, 'Michael', 'Brown', '2002-03-20', 'Male', 'Mathematics', 2600.25);
```

```
insert into student values (101,"Arun","Kareen","1990-04-10","male","computer science");
INSERT INTO Student (StudentID, FirstName, Gender,  Fees)VALUES (1, 'John',  'Male', 2500.00);
```

Add new column
```
ALTER TABLE student ADD email varchar(100);
```

Add multiple column
```
ALTER TABLE student ADD (email varchar(100),fname varchar(55),address varchar(100));
```

Rename a column
```
ALTER TABLE student RENAME COLUMN email TO email_id;
```

Modify datatype length (50 to 55)
```
ALTER TABLE student MODIFY FirstName varchar(55);
```

Drop column
```
ALTER TABLE student DROP COLUMN fname;
```

Change Table Name
```
ALTER TABLE student RENAME TO student_data;
```

Add column with Default Value
```
ALTER TABLE student ADD (doj DATE DEFAULT '10-05-23');
```
UPDATE
```
UPDATE student_data SET email_id='admin@gmail.com' where StudentID=1;
UPDATE student_data SET email_id='admin@gmail.com',FirstName="sara" where StudentID=1;
UPDATE student set email="admin@gmail.com";
```