

WEEK – 0

Student Database


Illustrate an example to create a table student, student table will contain the following attributes, stdid, stdname, dob, doj, fee, gender etc.

Write the following queries:

- Describe the structure of the table.
- Insert a few records into the student table.
- Add a column to the student table (that is phone_no).
- Modify the column name of phone_no to student_no.
- Rename the table name to student_info
- To drop a column from the table
- Display the content of the table
- Delete any records from the table.

Creating a student table:-

```
create database student;  
use student;
```

```
 create table student(  
    stdid int,  
    stdname varchar(20),  
    dob date,  
    doj date,  
    fee int,  
    gender char);  
  
desc student;
```

	Field	Type	Null	Key	Default	Extra
►	stdid	int	YES		NULL	
	stdname	varchar(20)	YES		NULL	
	dob	date	YES		NULL	
	doj	date	YES		NULL	
	fee	int	YES		NULL	
	gender	char(1)	YES		NULL	

Insert a few records into the student table:-

```
insert into student values(1,'abhay','2005-12-25','2025-07-15',120000,'M');
```

```
insert into student values(2,'akshay','2005-10-15','2025-06-10',120000,'M');
```

Add a column to the student table (that is phone_no):-

```
alter table student add phone_num varchar(10);
```

Modify the column name of phone_no to student_no:-

```
alter table student
rename column phone_num to std_phone_num;
```

Rename the table name to student_info:-

```
alter table student rename to student_info;
```

Display the content of the table:-

```
select * from student_info;
```

	stdid	stdname	dob	doj	fee	gender	std_phone_num
▶	1	abhay	2005-12-25	2025-07-15	120000	M	NULL
	2	akshay	2005-10-15	2025-06-10	120000	M	NULL

To drop a column from the table:-

```
alter table student_info drop column gender;
```

	Field	Type	Null	Key	Default	Extra
▶	stdid	int	YES		NULL	
	stdname	varchar(20)	YES		NULL	
	dob	date	YES		NULL	
	doj	date	YES		NULL	
	fee	int	YES		NULL	
	std_phone_num	varchar(10)	YES		NULL	

Delete any records from the table:-

```
delete from student_info  
where stdid = 2;
```

	stdid	stdname	dob	doj	fee	std_phone_num
▶	1	abhay	2005-12-25	2025-07-15	120000	NULL