



## **Lab-1**

**CSE302**

**Database Systems**

**Sec :05**

**Submitted To:**

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**Adjunct Faculty**

**East West University**

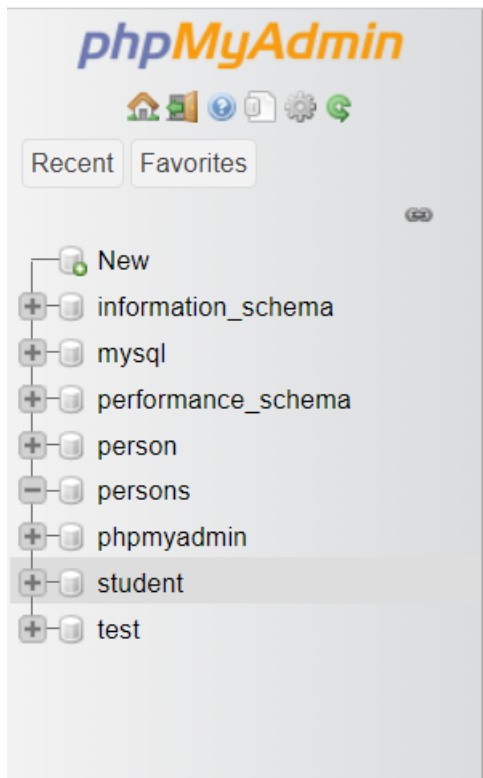
**Submitted by:**

**Student's ID: 2020-3-60-012**

**Student's Name: Sadia Islam Prova**

**Date of submission: 30-10-2022**

Create database student:



Create table student:

```
1 create table student(  
2     ID int(10),  
3     FirstName varchar(50),  
4     LastName varchar(50),  
5     Coursecode char(50)  
6 );  
7  
8  
9
```

Server: 127.0.0.1 » Database: students

Structure SQL Search Query Export Import Operations Privileges

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0283 seconds.)

```
create table students( ID int(10), FirstName varchar(50), LastName varchar(50), Coursecode char(20) );
```

[ Edit inline ] [ Edit ] [ Create PHP code ]

Your SQL query has been executed successfully.

```
DESCRIBE students;
```

[ Edit inline ] [ Edit ] [ Create PHP code ]

Extra options

| Field      | Type        | Null | Key | Default | Extra |
|------------|-------------|------|-----|---------|-------|
| ID         | int(10)     | YES  |     | NULL    |       |
| FirstName  | varchar(50) | YES  |     | NULL    |       |
| LastName   | varchar(50) | YES  |     | NULL    |       |
| Coursecode | char(20)    | YES  |     | NULL    |       |

To add column in the table:

```
1 alter table students
2 add city char(30);
```

| Field      | Type        | Null | Key | Default | Extra |
|------------|-------------|------|-----|---------|-------|
| ID         | int(10)     | YES  |     | NULL    |       |
| FirstName  | varchar(50) | YES  |     | NULL    |       |
| LastName   | varchar(50) | YES  |     | NULL    |       |
| Coursecode | char(20)    | YES  |     | NULL    |       |
| city       | char(30)    | YES  |     | NULL    |       |

To insert values:

```
1 insert into students
2 values('101','Sadia','Prova','cse302','Dhaka')
```

| ID  | FirstName | LastName | Coursecode | city     |
|-----|-----------|----------|------------|----------|
| 101 | Sadia     | Prova    | cse302     | Dhaka    |
| 102 | Zaima     | Aroni    | gen210     | Rajshahi |
| 103 | Samia     | Progga   | cse302     | Sylhet   |

NOT NULL constraint:

```
1 alter table students MODIFY ID int NOT NULL
```

| Field      | Type        | Null | Key | Default | Extra |
|------------|-------------|------|-----|---------|-------|
| ID         | int(11)     | NO   |     | NULL    |       |
| FirstName  | varchar(50) | YES  |     | NULL    |       |
| LastName   | varchar(50) | YES  |     | NULL    |       |
| Coursecode | char(20)    | YES  |     | NULL    |       |
| city       | char(30)    | YES  |     | NULL    |       |


Unique constraint:

```
1 alter table students MODIFY Coursecode char UNIQUE
```

## Error

SQL query: [Copy](#)

```
alter table students MODIFY Coursecode char UNIQUE;
```

MySQL said: 

#1062 - Duplicate entry 'c' for key 'Coursecode'

