

"Heaven's Light is Our Guide"

Rajshahi University of Engineering & Technology, Rajshahi



Department of Electrical & Computer Engineering

Course Code : ECE 2216

Course Title : Database Systems Sessional

Experiment No. : 01

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Submitted To-
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Experiment No: 1

Task: Create a database system for class 21 where there are 2 table for odd and even batch containing info for 10 students.

- id, name, contact, blood_group, major_sub, marks (100)

Objective:

- To learn about the database system using XAMP.
- To know about SQL and NoSQL database system.
- To differentiate between DML and DDL in SQL.
- To learn about the query language to create tables and inputs in a database system.
- To apply queries to solve real life scenarios.

Procedure:

1. First I opened My XAMP App and turned on Apache and Mysql mode to create a local server.
2. Then I create a Database name ece-21_Students.
3. I went to SQL section and write this following code:

```
CREATE TABLE Even_Students (  
id INT PRIMARY KEY,  
name VARCHAR(255),  
contact TEXT,  
blood_group VARCHAR(10),  
major_sub VARCHAR(255),  
marks INT  
);  
  
## For Odd Stundets  
  
CREATE TABLE odd_Students (  
id INT PRIMARY KEY,  
name VARCHAR(255),  
contact TEXT,  
blood_group VARCHAR(10),  
major_sub VARCHAR(255),
```

```
marks INT
);
```

4. After that both of my table successfully created.

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> even_students	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> odd_students	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
2 tables	Sum	0	InnoDB	utf8mb4_general_ci	32.0 KiB	0 B

5. After that opened the table and went to SQL command again and write down the following code.

```
INSERT INTO `even_students`(`id`, `name`, `contact`, `blood_group`, `major_sub`,
`marks`)
VALUES
('2110002','nahid','012394567','O+','ML','90'),
('2110004','radia','012394567','A+','Biology','89'),
('2110006','jahin','012394567','O+','English','56'),
('2110008','zini','012394567','A+','ML','83'),
('2110010','rubaid','012394567','B+','DevOps','26'),
('2110012','jifat','012394567','O+','MERN','68'),
('2110014','noman','012394567','A+','QA','71'),
('2110016','tonoy','012394567','O+','Math','90'),
('2110018','sibly','012394567','A+','Machine Learning','73'),
('2110020','nigeria','012394567','B+','Statistics','100');
```

		id	name	contact	blood_group	major_sub	marks
<input type="checkbox"/>	Edit Copy Delete	2110002	nahid	012394567	O+	ML	90
<input type="checkbox"/>	Edit Copy Delete	2110004	radia	012394567	A+	Biology	89
<input type="checkbox"/>	Edit Copy Delete	2110006	jahin	012394567	O+	English	56
<input type="checkbox"/>	Edit Copy Delete	2110008	zini	012394567	A+	ML	83
<input type="checkbox"/>	Edit Copy Delete	2110010	rubaid	012394567	B+	DevOps	26
<input type="checkbox"/>	Edit Copy Delete	2110012	Jifat	012394567	O+	MERN	68
<input type="checkbox"/>	Edit Copy Delete	2110014	noman	012394567	A+	QA	71
<input type="checkbox"/>	Edit Copy Delete	2110016	tonoy	012394567	O+	Math	90
<input type="checkbox"/>	Edit Copy Delete	2110018	sibly	012394567	A+	Machine Learning	73
<input type="checkbox"/>	Edit Copy Delete	2110020	nigeria	012394567	B+	Statistics	100































6. That's how I successfully created a table for even students

7. I repeated the same process for Odd Students Table.

```
INSERT INTO `even_students`(`id`, `name`, `contact`, `blood_group`, `major_sub`, `marks`)
```

```
VALUES
```

```
('2110001', 'Farhan', '012345678', 'B+', 'Physics', '85'),
('2110003', 'Ayesha', '012345679', 'A-', 'Chemistry', '78'),
('2110005', 'Tanveer', '012345680', 'O+', 'Mathematics', '92'),
('2110007', 'Mehnaz', '012345681', 'B+', 'Computer Science', '88'),
('2110009', 'Shahin', '012345682', 'A+', 'Biology', '76'),
('2110011', 'Lubna', '012345683', 'O-', 'Engineering', '91'),
('2110013', 'Rashed', '012345684', 'B-', 'Economics', '73'),
('2110015', 'Nadia', '012345685', 'AB+', 'Psychology', '80'),
('2110017', 'Saqib', '012345686', 'O+', 'History', '67'),
('2110019', 'Farzana', '012345687', 'A+', 'Philosophy', '89');
```

				id	name	contact	blood_group	major_sub	marks
<input type="checkbox"/>				2110001	Farhan	012345678	B+	Physics	85
<input type="checkbox"/>				2110003	Ayesha	012345679	A-	Chemistry	78
<input type="checkbox"/>				2110005	Tanveer	012345680	O+	Mathematics	92
<input type="checkbox"/>				2110007	Mehnaz	012345681	B+	Computer Science	88
<input type="checkbox"/>				2110009	Shahin	012345682	A+	Biology	76
<input type="checkbox"/>				2110011	Lubna	012345683	O-	Engineering	91
<input type="checkbox"/>				2110013	Rashed	012345684	B-	Economics	73
<input type="checkbox"/>				2110015	Nadia	012345685	AB+	Psychology	80
<input type="checkbox"/>				2110017	Saqib	012345686	O+	History	67
<input type="checkbox"/>				2110019	Farzana	012345687	A+	Philosophy	89

Discussion:

Successfully created two tables in a database and learned the method. That was necessary to understand how the sql commands works in a database. These are the fundamentals of query language.