



"Heaven's Light is Our Guide"

**Rajshahi University of Engineering &
Technology**

Department of Electrical & Computer Engineering

Course Title

Data Base Systems Sessional

Course No: ECE 2216

Lab Report No. 01

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Submitted to:

Submitted by:

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Experiment No: 01

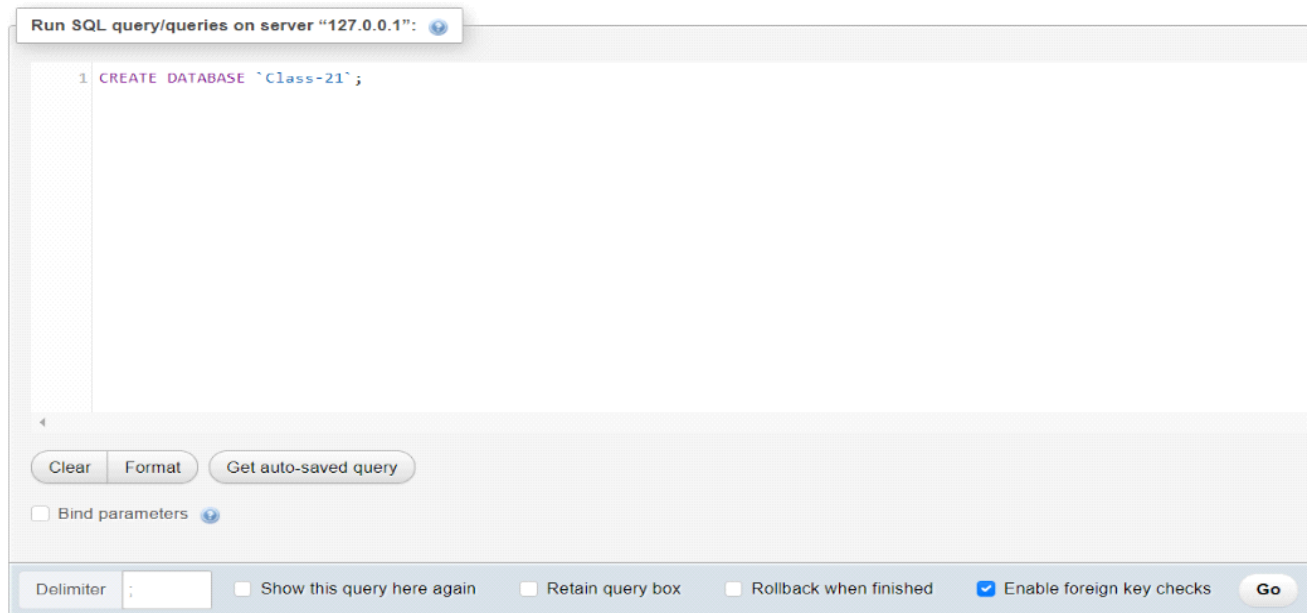
Experiment Name: Create a database system for class 21 where there are 2 tables for odd and even batch containing following information for 10 students- ID, Name, Contact, Blood Group, Major Subject, Obtained Marks.

Objective:

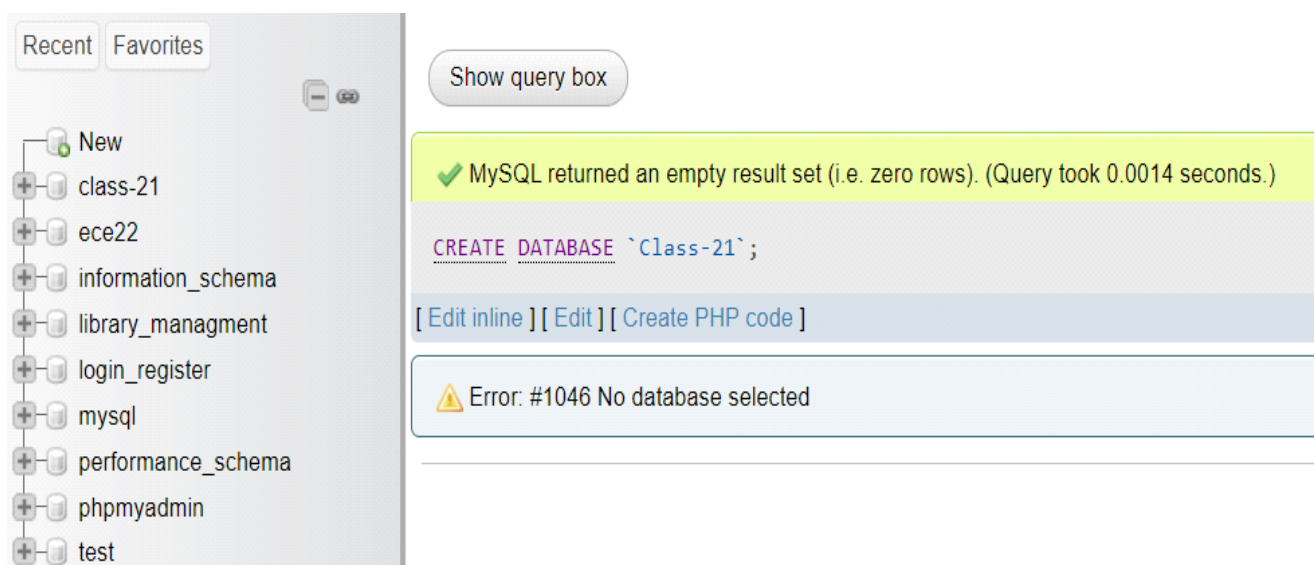
- To learn about the database system using XAMP.
- To know about SQL and NoSQL database system.
- To differentiate between DML and DDL in SQL.
- To learn about the query language to create tables and inputs in a database system.
- To apply queries to solve real life scenarios.

Query and Output:

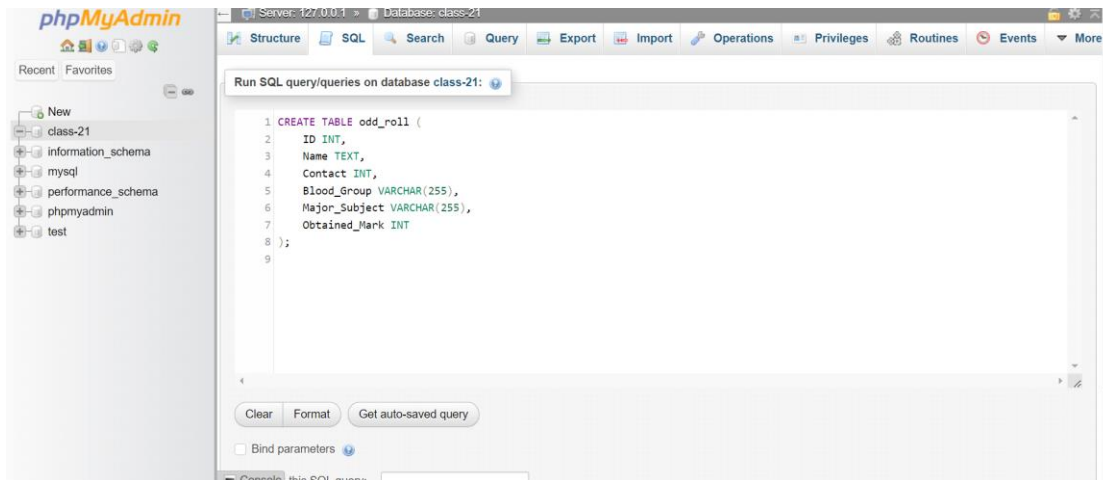
Creating a database named Class-21:



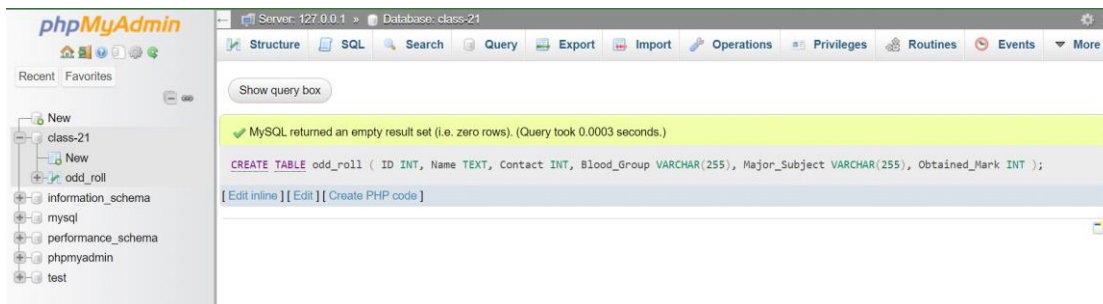
Output:



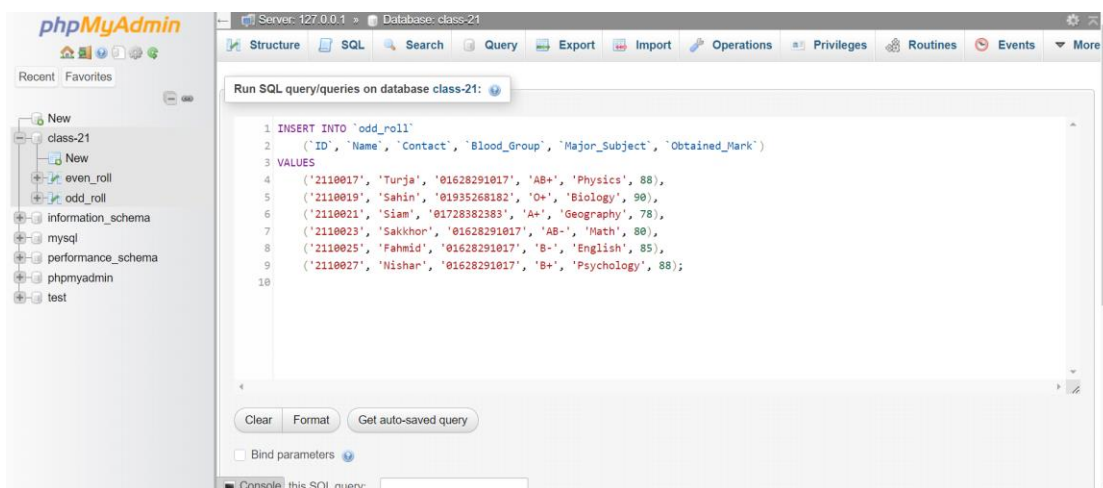
Creating a Table for odd_roll students:



Output:



Inserting students data in the odd_roll table:



Output:

Server: 127.0.0.1 » Database: class-21 » Table: odd_roll

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 5 (6 total, Query took 0.0002 seconds.)

```
SELECT * FROM `odd_roll`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

ID	Name	Contact	Blood_Group	Major_Subject	Obtained_Mark
2110017	Turja	1628291017	AB+	Physics	88
2110019	Sahin	1935268182	O+	Biology	90
2110021	Siam	1728382383	A+	Geography	78
2110023	Sakthor	1628291017	AB-	Math	80
2110025	Fahmid	1628291017	B-	English	85
2110027	Nishar	1628291017	B+	Psychology	88

Show all | Number of rows: 25 | Filter rows: Search this table

Console

Creating a Table for even_roll students:

Server: 127.0.0.1 » Database: class-21

Show query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)

```
CREATE TABLE `even_roll` ( `ID` INT, `Name` TEXT, `Contact` INT, `Blood_Group` VARCHAR(255), `Major_Subject` VARCHAR(255), `Obtained_Mark` INT );
```

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

Inserting students data in the even_roll table:

Server: 127.0.0.1 » Database: class-21

Run SQL query/queries on database class-21:

```
1 INSERT INTO `even_roll`
2   (`ID`, `Name`, `Contact`, `Blood_Group`, `Major_Subject`, `Obtained_Mark`)
3 VALUES
4   ('2110016', 'Tonoy', '01628291017', 'AB+', 'Physics', 88),
5   ('2110018', 'Sabbir', '01935268182', 'O+', 'Biology', 90),
6   ('2110020', 'Sithy', '01728382383', 'A+', 'Geography', 78),
7   ('2110022', 'Sejib', '01628291017', 'AB-', 'Math', 80),
8   ('2110024', 'Sina', '01628291017', 'B-', 'English', 85),
9   ('2110026', 'Musfiq', '01628291017', 'B+', 'Psychology', 88);
10
```

Clear Format Get auto-saved query

Bind parameters

Console this SQL query:

Output:

The screenshot shows the phpMyAdmin web interface. The left sidebar displays a database structure with 'class-21' selected, containing tables 'even_roll' and 'odd_roll'. The main panel shows the 'even_roll' table with 6 rows. A message at the top states: 'Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.' Below this, a green bar indicates 'Showing rows 0 - 5 (6 total, Query took 0.0002 seconds.)'. The SQL query 'SELECT * FROM `even_roll`' is displayed. Below the query, there are options for 'Show all', 'Number of rows: 25', and a 'Filter rows' search box. The table data is as follows:

ID	Name	Contact	Blood_Group	Major_Subject	Obtained_Mark
2110016	Tonoy	1628291017	AB+	Physics	88
2110018	Sabbir	1935268182	O+	Biology	90
2110020	Sithy	1728382383	A+	Geography	78
2110022	Sojib	1628291017	AB-	Math	80
2110024	Sina	1628291017	B-	English	85
2110026	Musfiq	1628291017	B+	Psychology	88