“Heaven's Light is Our Guide”

Rajshahi University of Engineering & Technology

Department of Electrical and Computer Engineering

Course Code: ECE- 2216

Course Title: Data Base Systems Sessional

Lab Report No: 01

Submitted By	**Submitted To**
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1.1 Experiment No: 01

1.2 Name of the Experiment:

Basic problems on DDL & DML.
Task:

a. Create a database for class 21 where are 2 tables for odd and even batch containing following information for 10 students:

- Id
- Name
- Contact
- Blood group
- Major subject
- Obtained marks (100)

b. Perform the following DDL & DML operations:

- DML: INSERT, DELETE, UPDATE.
- DDL: CREATE, ALTER, DROP, TRUNCATE, RENAME, CHANGE.

1.3 Objectives:

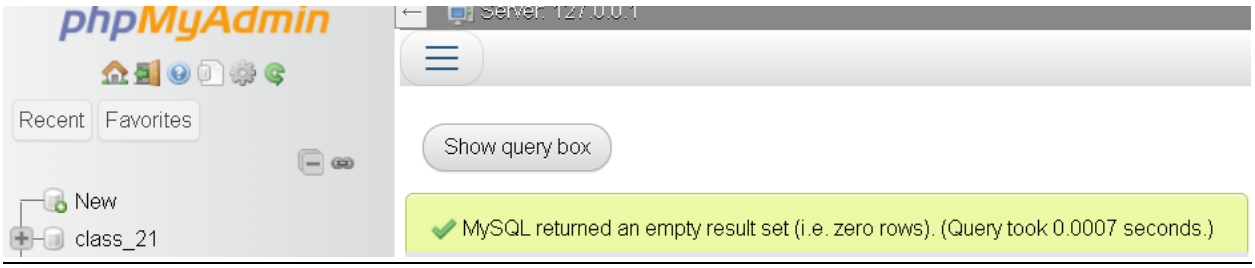
- To learn basic DML operations. Such as: INSERT, DELETE, UPDATE.
- To learn basic DDL operations like: CREATE, ALTER, DROP, TRUNCATE, RENAME, CHANGE.

1.4 Query & Output:

Creating a new database:

```
CREATE DATABASE 'class_21';
```

Output:

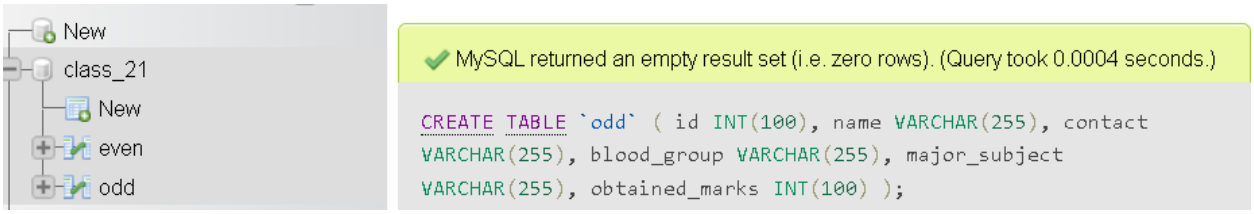


Creating New Tables:

```
CREATE TABLE `odd` (
   id INT(100),
   name VARCHAR(255),
   contact VARCHAR(255),
   blood_group VARCHAR(255),
   major_subject VARCHAR(255),
   obtained_marks INT(100)
);

CREATE TABLE `even` (
   id INT(100),
   name VARCHAR(255),
   contact VARCHAR(255),
   blood_group VARCHAR(255),
   major_subject VARCHAR(255),
   obtained_marks INT(100)
);
```

Output:



Inserting Data of 10 Students:

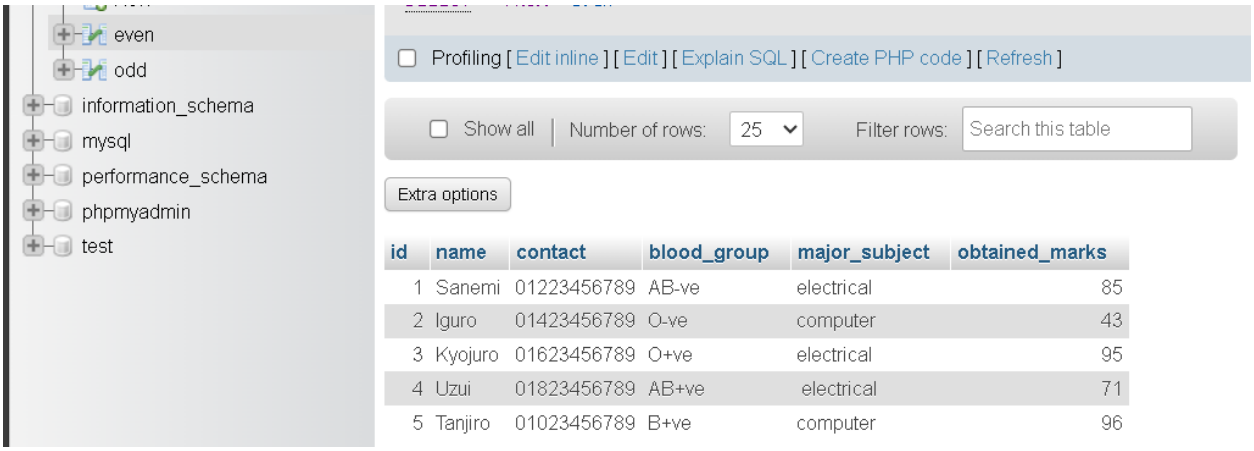
```
INSERT INTO `odd` (`id`, `name`, `contact`, `blood_group`, `major_subject`, `obtained_marks`)
VALUES
(1, 'Gyomei', '01123456789', 'A+ve', 'electrical', 95),
(3, 'Giyu', '01323456789', 'O+ve', 'computer', 77),
(5, 'Muichiro', '01523456789', 'A+ve', 'computer', 64),
(7, 'Mitsuri', '01723456789', 'B+ve', 'electrical', 69),
(9, 'Shinobu', '01923456789', 'A+ve', 'computer', 73),
;
```

Output:

Odd Table:

id	name	contact	blood_group	major_subject	obtained_marks
1	Gyomei	01123456789	A+ve	electrical	95
2	Giyu	01323456789	O+ve	computer	77
3	Muichiro	01523456789	A+ve	computer	64
4	Mitsuri	01723456789	B+ve	electrical	69
5	Shinobu	01923456789	A+ve	computer	73

Even Table:

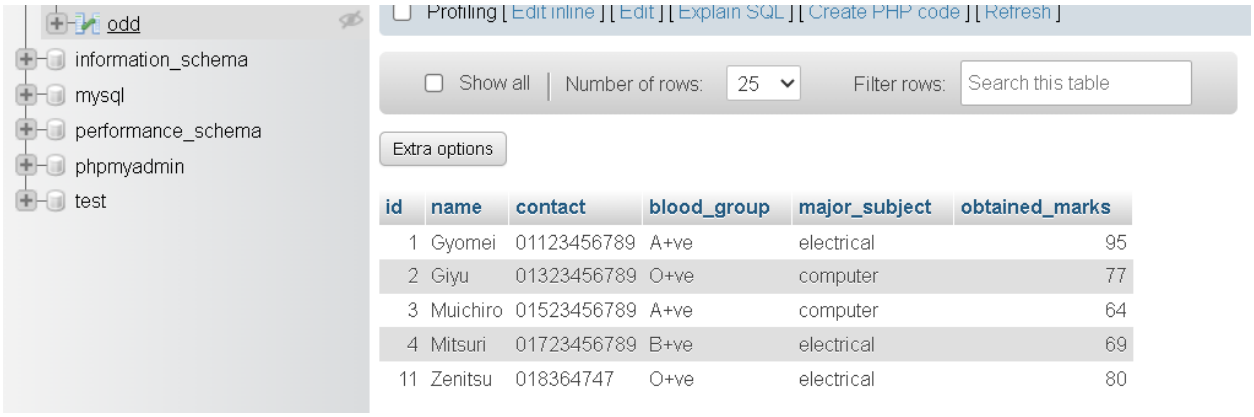


id	name	contact	blood_group	major_subject	obtained_marks
1	Sanemi	01223456789	AB-ve	electrical	85
2	Iguro	01423456789	O-ve	computer	43
3	Kyojuro	01623456789	O+ve	electrical	95
4	Uzui	01823456789	AB+ve	electrical	71
5	Tanjiro	01023456789	B+ve	computer	96

Updating a row in table:

```
UPDATE "odd"
SET "id" = 11,
   "name" = 'Zenitsu',
   "contact" = '01112345678',
   "blood_group" = 'O+ve',
   "major_subject" = 'electrical',
   "obtained_marks" = '80'
WHERE "id" = 5;
```

Output:



id	name	contact	blood_group	major_subject	obtained_marks
1	Gyomei	01123456789	A+ve	electrical	95
2	Giyu	01323456789	O+ve	computer	77
3	Muichiro	01523456789	A+ve	computer	64
4	Mitsuri	01723456789	B+ve	electrical	69
11	Zenitsu	018364747	O+ve	electrical	80

Deleting a row in the table:

DELETE FROM odd WHERE id = 11;

Output:

id	name	contact	blood_group	major_subject	obtained_marks
1	Gyomei	01123456789	A+ve	electrical	95
2	Giyu	01323456789	O+ve	computer	77
3	Muichiro	01523456789	A+ve	computer	64
4	Mitsuri	01723456789	B+ve	electrical	69