

“Heaven’s Light is Our Guide”

Rajshahi University of Engineering & Technology, Rajshahi



Department of Electrical & Computer Engineering

Lab Report

Course Code : ECE 2216

Course Title : Data base systems sessional

Experiment No. : 01

Submission Date : 17-09-24

Submitted To-

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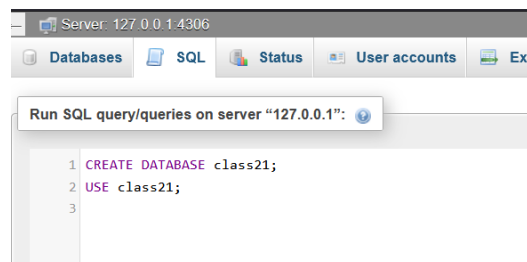
Exp No. : 01

Exp Name: Using SQL language to do certain operations in phpmyadmin

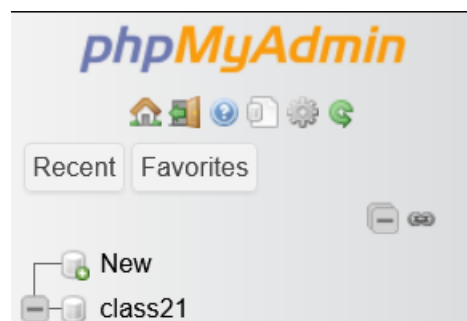
objectives:

The objective of this experiment is to design a database system for class 21, consisting of two tables (odd and even batch) to manage student records, including details such as ID, name, contact, blood group, major subject, and obtained marks. Through this experiment, fundamental SQL operations such as creating tables, inserting, updating, deleting records, altering table structure, truncating, renaming, and dropping tables are demonstrated step by step.

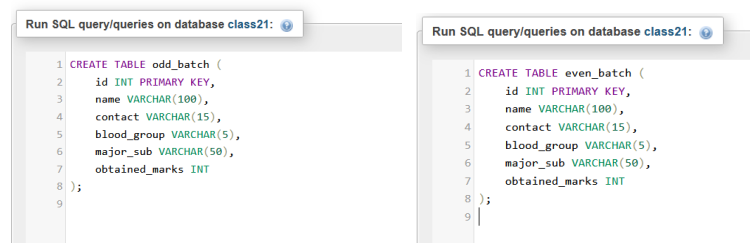
Creating Database query



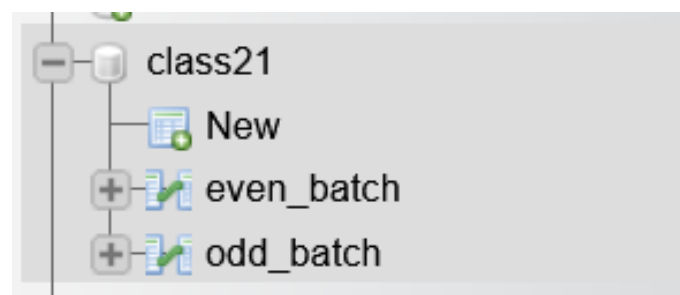
Output:



Create column in table:



Output:



Inserting information into table:

```
1 INSERT INTO odd_batch (id, name, contact,
2 blood_group, major_sub, obtained_marks)
3 VALUES (1, 'sadik', '0131899999', 'A+', 'Physics',
4 85),
5 (3, 'samia', '0987654321', 'O+', 'Chemistry',
6 78),
7 (5, 'hridoy', '1112223334', 'B+',
8 'Mathematics', 92),
9 (7, 'himel', '5556667778', 'AB-', 'Biology',
10 88),
11 (9, 'prithu', '4445556667', 'A-', 'Computer
12 Science', 90);
```

Output:

☐ Show all | Number of rows: 25 | Filter rows: | Sort by key: None

Extra options

				id	name	contact	blood_group	major_sub	obtained_marks
<input type="checkbox"/>				1	sadik	0131899999	A+	Physics	85
<input type="checkbox"/>				3	samia	0987654321	O+	Chemistry	78
<input type="checkbox"/>				5	hridoy	1112223334	B+	Mathematics	92
<input type="checkbox"/>				7	himel	5556667778	AB-	Biology	88
<input type="checkbox"/>				9	prithu	4445556667	A-	Computer Science	90

Update information in table:

```
1 UPDATE odd_batch
2 SET obtained_marks = 95
3 WHERE id = 3;
4
```

Output:

Extra options

				id	name	contact	blood_group	major_sub	obtained_marks
<input type="checkbox"/>				1	sadik	0131899999	A+	Physics	85
<input type="checkbox"/>				3	samia	0987654321	O+	Chemistry	95
<input type="checkbox"/>				5	hridoy	1112223334	B+	Mathematics	92
<input type="checkbox"/>				7	himel	5556667778	AB-	Biology	88
<input type="checkbox"/>				9	prithu	4445556667	A-	Computer Science	90

Delete item from table:

```
1 DELETE FROM even_batch
2 WHERE id = 8;
3
```

Output:

☐ Show all

Number of rows:

25

Filter rows:

Search this table

Sort by key:

None

Extra options

				id	name	contact	blood_group	major_sub	obtained_marks
<input type="checkbox"/>				2	nahid	9998887776	B-	English	75
<input type="checkbox"/>				4	radia	8887776665	A+	Economics	82
<input type="checkbox"/>				6	jahin	7776665554	O-	History	91
<input type="checkbox"/>				10	rubaid	5554443332	AB+	Philosophy	89

Add column to table:

```
1 ALTER TABLE odd_batch
2 ADD email VARCHAR(100);
3
```

Output:

	id	name	contact	blood_group	major_sub	obtained_marks	email
<input type="checkbox"/> Edit Copy Delete	1	sadik	0131899999	A+	Physics	85	NULL
<input type="checkbox"/> Edit Copy Delete	3	samia	0987654321	O+	Chemistry	95	NULL
<input type="checkbox"/> Edit Copy Delete	5	hridoy	1112223334	B+	Mathematics	92	NULL
<input type="checkbox"/> Edit Copy Delete	7	himel	5556667778	AB-	Biology	88	NULL
<input type="checkbox"/> Edit Copy Delete	9	prithu	4445556667	A-	Computer Science	90	NULL

Drop column from table:

```
1 ALTER TABLE odd_batch
2 DROP COLUMN email;
3
```

Output:

				id	name	contact	blood_group	major_sub	obtained_marks
<input type="checkbox"/>				1	sadik	0131899999	A+	Physics	85
<input type="checkbox"/>				3	samia	0987654321	O+	Chemistry	95
<input type="checkbox"/>				5	hridoy	1112223334	B+	Mathematics	92
<input type="checkbox"/>				7	hime1	5556667778	AB-	Biology	88
<input type="checkbox"/>				9	prithu	4445556667	A-	Computer Science	90

truncate table:

```
1 TRUNCATE TABLE even_batch;  
2 |
```

Output:

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0006 seconds.)

SELECT * FROM `even_batch`

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

id	name	contact	blood_group	major_sub	obtained_marks
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Query results operations

Create view

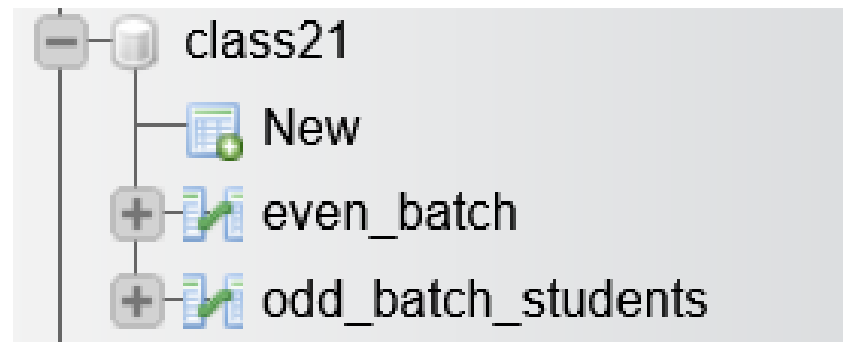
Bookmark this SQL query

Rename table:

Run SQL query/queries on database class21: ⓘ

```
1 RENAME TABLE odd_batch TO odd_batch_students;  
2 |
```

Output:



Drop table:

```
1 DROP TABLE odd_batch_students;  
2 |
```

Output:

