



Havens Light is Our Guide
Rajshahi University of Engineering & Technology

Department of Electrical and Computer Engineering

Course code:ECE 2216

Course Title:Database Systems Sessional

Report no: 01

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Experiment no: 01

Experiment name: Create a database system for class 21 where there are two tables for odd and even batch containing following information of 10 students:

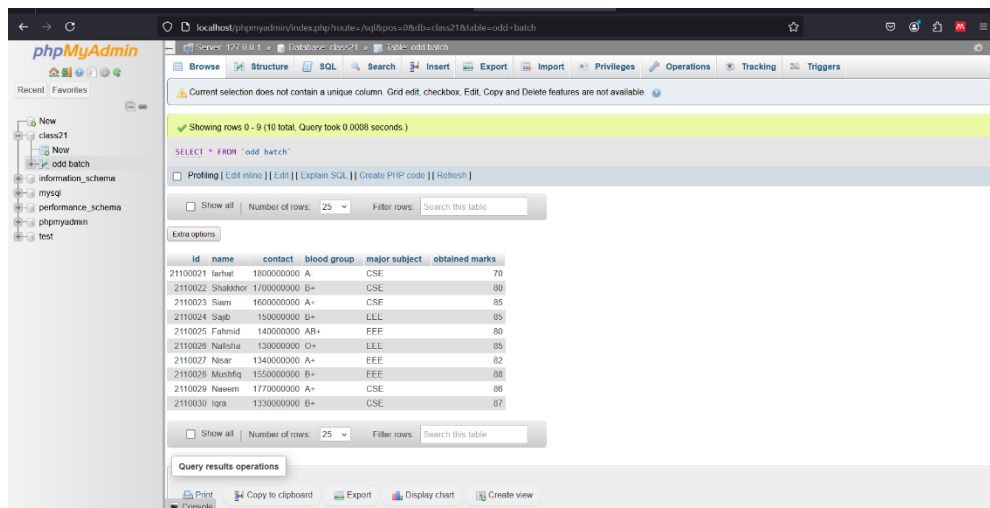
- ID
- Name
- Contact
- Blood group
- Major subject
- Obtained marks out of 100.

Objective: To learn the basics and different operations I database.

Query and output:

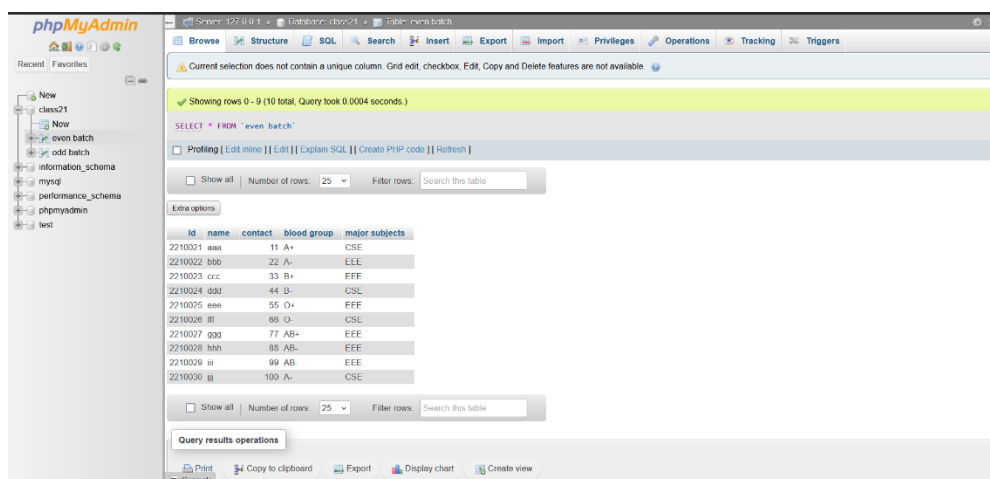
1.Query: Creating two tables:

Outcome:



The screenshot shows the phpMyAdmin interface with the 'odd batch' table selected. The table contains 10 rows of student data. The query bar shows 'SELECT * FROM `odd batch`'. The table structure is as follows:

id	name	contact	blood group	major subject	obtained marks
2110021	ferhat	1800000000	A-	CSE	70
2110022	Shakhor	1700000000	B+	CSE	86
2110023	Swan	1600000000	A+	CSE	85
2110024	Sagb	1500000000	B+	ELL	85
2110025	Fahmid	1400000000	AB+	EEE	80
2110026	Nafisha	1300000000	O+	LLL	85
2110027	Nisar	1340000000	A+	EEE	82
2110028	Mushfiq	1550000000	B+	EEE	88
2110029	Nawem	1770000000	A+	CSE	86
2110030	Igra	1330000000	B+	CSE	87

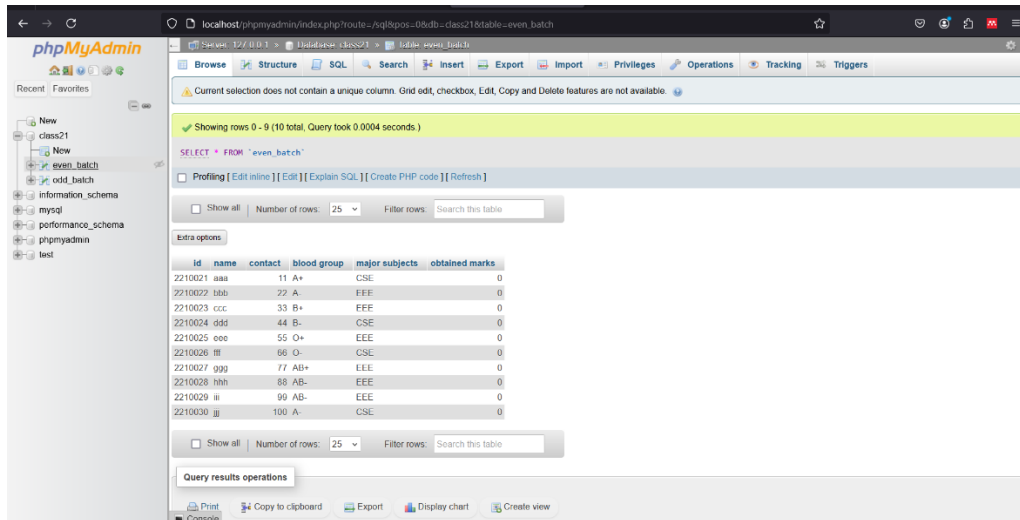


The screenshot shows the phpMyAdmin interface with the 'even batch' table selected. The table contains 10 rows of student data. The query bar shows 'SELECT * FROM `even batch`'. The table structure is as follows:

id	name	contact	blood group	major subjects
2210021	aaa	11	A+	CSE
2210022	bbb	22	A-	EEE
2210023	ccc	33	B+	EEE
2210024	ddd	44	B-	CSE
2210025	eee	55	O+	EEE
2210026	fff	66	O-	CSE
2210027	ggg	77	AB+	EEE
2210028	hhh	88	AB-	EEE
2210029	iii	99	AB-	EEE
2210030	jjj	100	A-	CSE

2.Query:Creating new column

Outcome:



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

Showing rows 0 - 9 (10 total, Query took 0.0004 seconds)

SELECT * FROM 'even_batch'

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 subjects	obtained marks
2210021	aaa	11	A+	CSE	0
2210022	bbb	22	A-	EEE	0
2210023	ccc	33	B+	FFF	0
2210024	ddd	44	B-	CSE	0
2210025	eee	55	O+	EEE	0
2210026	fff	66	O-	CSE	0
2210027	ggg	77	AB+	EEE	0
2210028	hhh	88	AB-	EEE	0
2210029	iii	99	AB-	EEE	0
2210030	jjj	100	A-	CSE	0

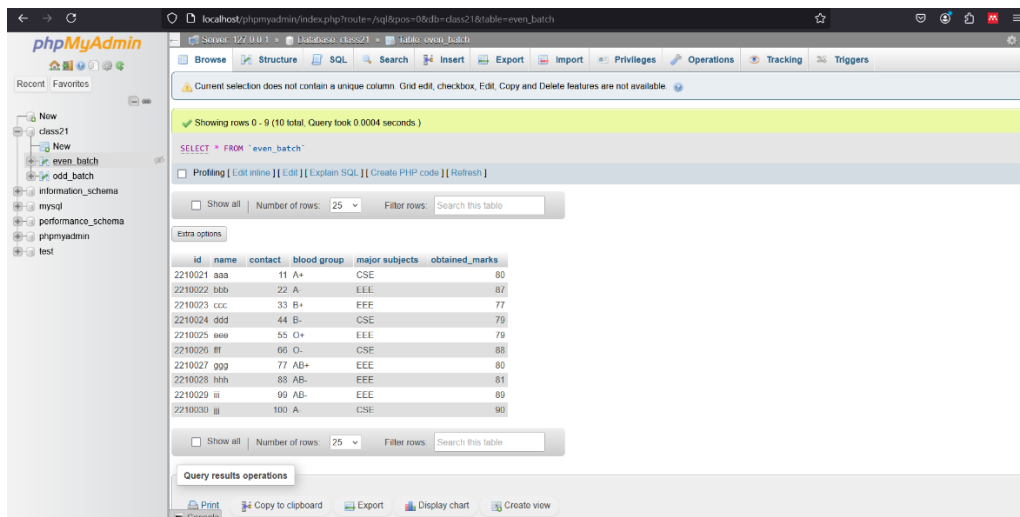
Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print | Copy to clipboard | Export | Display chart | Create view

3.Query: Inserting data into new column

Outcome:



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

Showing rows 0 - 9 (10 total, Query took 0.0004 seconds)

SELECT * FROM 'even_batch'

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 subjects	obtained marks
2210021	aaa	11	A+	CSE	80
2210022	bbb	22	A-	EEE	87
2210023	ccc	33	B+	FFF	77
2210024	ddd	44	B-	CSE	79
2210025	eee	55	O+	EEE	79
2210026	fff	66	O-	CSE	88
2210027	ggg	77	AB+	EEE	80
2210028	hhh	88	AB-	EEE	81
2210029	iii	99	AB-	EEE	89
2210030	jjj	100	A-	CSE	90

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

Query results operations

Print | Copy to clipboard | Export | Display chart | Create view

4.Query:Updating data in a column

Outcome:

Showing rows 0 - 9 (10 total. Query took 0.0003 seconds.)

```
SELECT * FROM `even_batch`
```

Number of rows: 25 Filter rows: Search this table

id	name	contact	blood_group	major_subj	marks_obtained
2210021	aaa	0	A+	CSE	80.00
2210022	bbb	0	A-	CSE	87.00
2210023	ccc	0	B+	CSE	77.00
2210024	ddd	0	B-	CSE	79.00
2210025	eee	0	O+	CSE	79.00
2210026	fff	0	O-	CSE	88.00
2210027	ggg	0	AB+	CSE	80.00
2210028	hhh	0	AB-	CSE	81.00
2210029	iii	0	AB-	CSE	89.00
2210030	jjj	0	A-	CSE	90.00

Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view Console

5.Query:Deleting a column

Outcome:

Showing rows 0 - 9 (10 total. Query took 0.0005 seconds.)

```
SELECT * FROM `even_batch`
```

Number of rows: 25 Filter rows: Search this table

id	name	blood_group	major_subj	marks_obtained
2210021	aaa	A+	CSE	80.00
2210022	bbb	A-	CSE	87.00
2210023	ccc	B+	CSE	77.00
2210024	ddd	B-	CSE	79.00
2210025	eee	O+	CSE	79.00
2210026	fff	O-	CSE	88.00
2210027	ggg	AB+	CSE	80.00
2210028	hhh	AB-	CSE	81.00
2210029	iii	AB-	CSE	89.00
2210030	jjj	A-	CSE	90.00

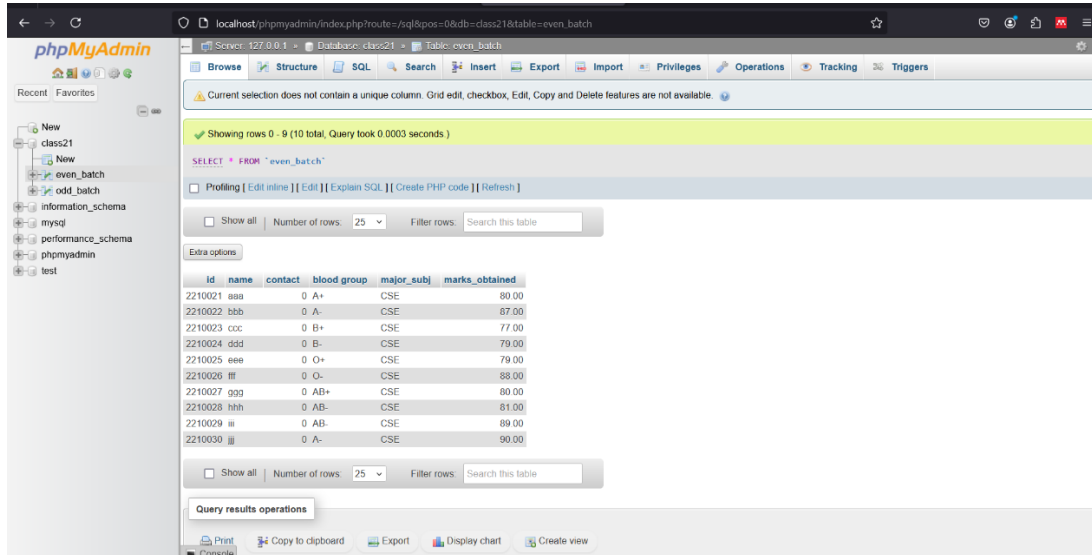
Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view Console

6.Query: Truncating a column

Outcome:

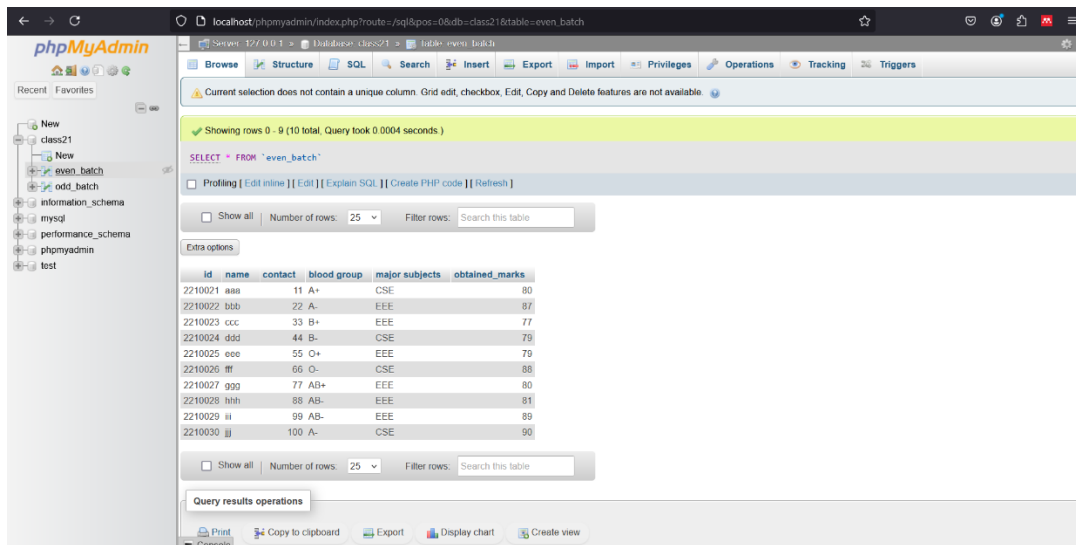


The screenshot shows the phpMyAdmin interface for a database named 'class21'. The table 'even_batch' is selected, and the SQL query 'SELECT * FROM `even_batch`' is executed. The table contains 10 rows of data. The columns are: id, name, contact, blood group, major_subj, and marks_obtained.

id	name	contact	blood group	major_subj	marks_obtained
2210021	aaa	0	A+	CSE	80.00
2210022	bbb	0	A-	CSE	87.00
2210023	ccc	0	B+	CSE	77.00
2210024	ddd	0	B-	CSE	79.00
2210025	eee	0	O+	CSE	79.00
2210026	fff	0	O-	CSE	88.00
2210027	ggg	0	AB+	CSE	80.00
2210028	hhh	0	AB-	CSE	81.00
2210029	iii	0	AB-	CSE	89.00
2210030	jjj	0	A-	CSE	90.00

7.Query: Renaming columns

Outcome:

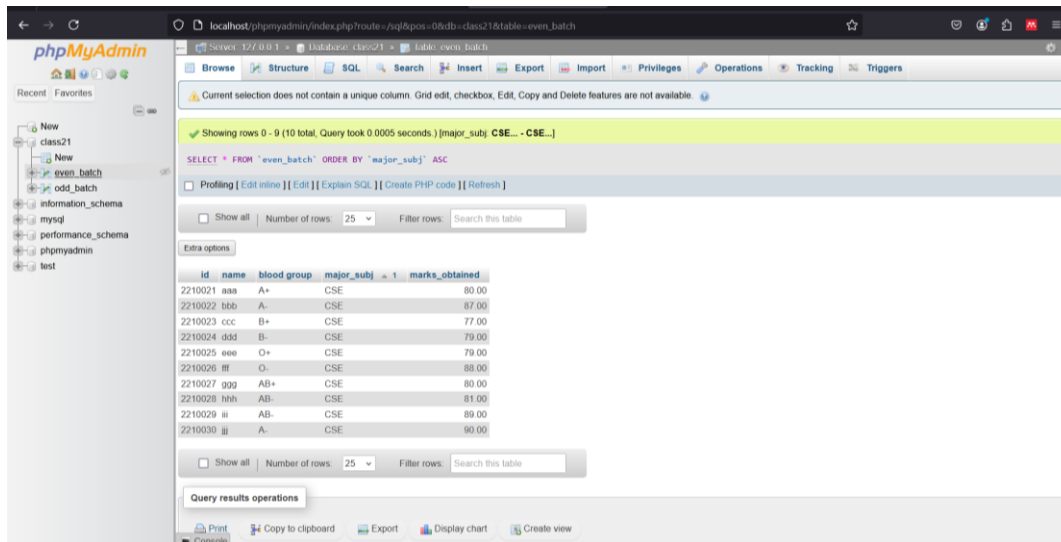


The screenshot shows the phpMyAdmin interface for a database named 'class21'. The table 'even_batch' is selected, and the SQL query 'SELECT * FROM `even_batch`' is executed. The table contains 10 rows of data. The columns are: id, name, contact, blood group, major subjects, and obtained marks.

id	name	contact	blood group	major subjects	obtained marks
2210021	aaa	11	A+	CSE	80
2210022	bbb	22	A-	EEE	87
2210023	ccc	33	B+	EEE	77
2210024	ddd	44	B-	CSE	79
2210025	eee	55	O+	EEE	79
2210026	fff	66	O-	CSE	88
2210027	ggg	77	AB+	EEE	80
2210028	hhh	88	AB-	EEE	81
2210029	iii	99	AB-	EEE	89
2210030	jjj	100	A-	CSE	90

8.Query: Dropping a column

Outcome:



The screenshot shows the phpMyAdmin interface for a database named 'class21'. The table 'even_batch' is selected, and the 'Structure' tab is active. The table has 10 rows and 6 columns: id, name, blood_group, major_subj, marks_obtained, and marks. The 'major_subj' column is highlighted in blue, indicating it is the selected column. The 'marks_obtained' column is highlighted in red, indicating it is the column to be dropped. The 'Query results operations' section at the bottom shows the 'Drop' button is selected.

id	name	blood_group	major_subj	marks_obtained
2210021	aaa	A+	CSE	80.00
2210022	bbb	A-	CSE	87.00
2210023	ccc	B+	CSE	77.00
2210024	ddd	B-	CSE	79.00
2210025	eee	O+	CSE	79.00
2210026	fff	O-	CSE	88.00
2210027	ggg	AB+	CSE	80.00
2210028	hhh	AB-	CSE	81.00
2210029	iii	AB-	CSE	89.00
2210030	jjj	A-	CSE	90.00