

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:

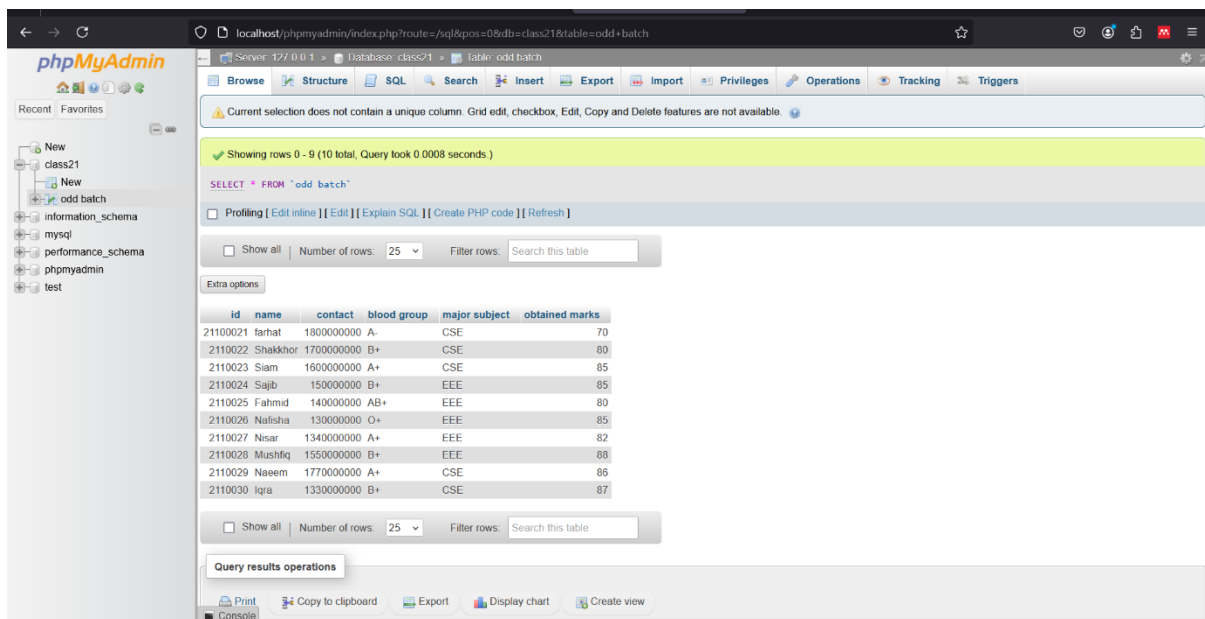
- ID
- Name
- Contact
- Blood group
- Major subject
- Obtained marks out of 100.

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 for a database named 'class21'. The table 'odd batch' is selected, and the SQL query 'SELECT * FROM `odd batch`' is executed. The results show 10 rows of student data. The interface includes a sidebar with the database structure, a top navigation bar, and a bottom toolbar with options like Print, Copy to clipboard, Export, Display chart, and Create view.

id	name	contact	blood group	major subject	obtained marks
21100021	farhat	1800000000	A-	CSE	70
21100022	Shakhor	1700000000	B+	CSE	80
21100023	Siam	1600000000	A+	CSE	85
21100024	Sajb	1500000000	B+	EEE	85
21100025	Fahmid	1400000000	AB+	EEE	80
21100026	Nafisha	1300000000	O+	EEE	85
21100027	Nisar	1340000000	A+	EEE	82
21100028	Mushfiq	1550000000	B+	EEE	88
21100029	Naeem	1770000000	A+	CSE	86
21100030	Iqra	1330000000	B+	CSE	87

phpMyAdmin

Recent Favorites

- New
- class21
- New
- even_batch
- odd_batch
- information_schema
- mysql
- performance_schema
- phpmyadmin
- test

Server: 127.0.0.1 Database: class21 Table: even_batch

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

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
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

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

Query results operations

Print Copy to clipboard Export Display chart Create view

Console

2.Query:Creating new column

Outcome:

phpMyAdmin

Recent Favorites

- New
- class21
- New
- even_batch
- odd_batch
- information_schema
- mysql
- performance_schema
- phpmyadmin
- test

Server: 127.0.0.1 Database: class21 Table: even_batch

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

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+	EEE	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

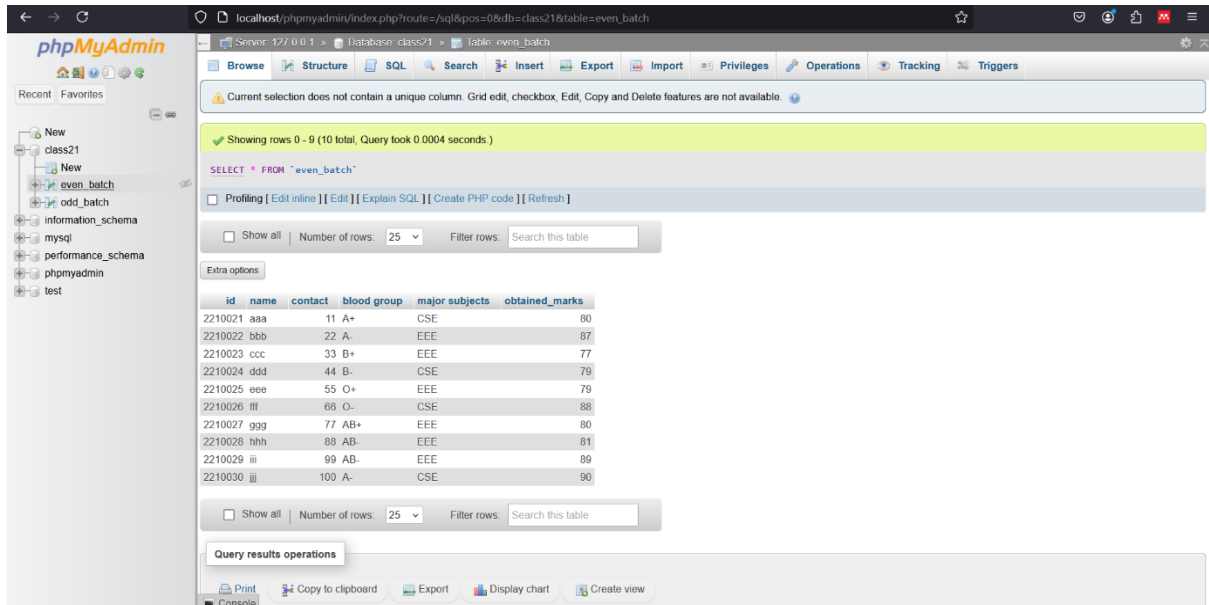
Query results operations

Print Copy to clipboard Export Display chart Create view

Console

3.Query: Inserting data into new column

Outcome:



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

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

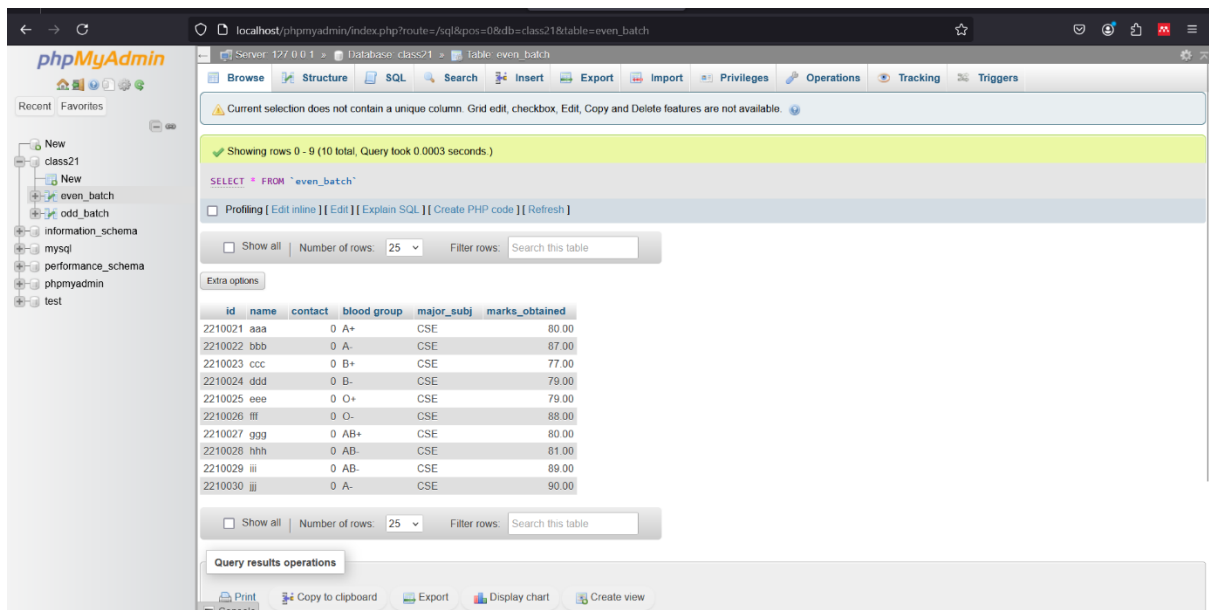
Number of rows: 25 | Filter rows: Search this table

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

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

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

5.Query:Deleting a column

Outcome:

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

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

Query results operations

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

6.Query: Truncating a column

Outcome:

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

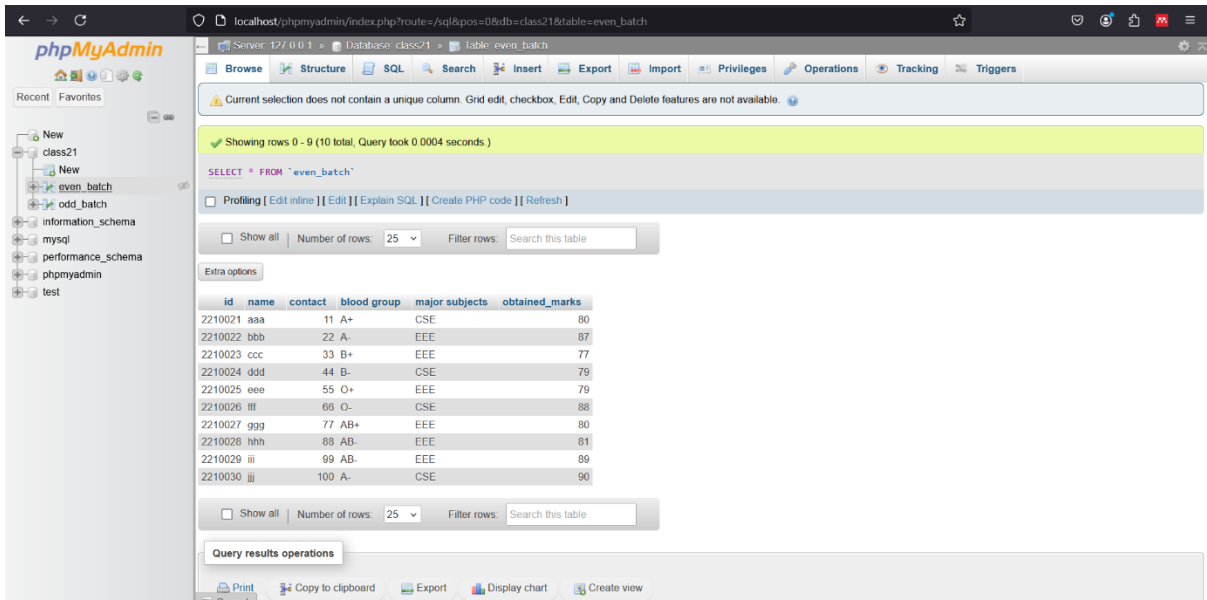
```
SELECT * FROM `even_batch`
```

Query results operations

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:

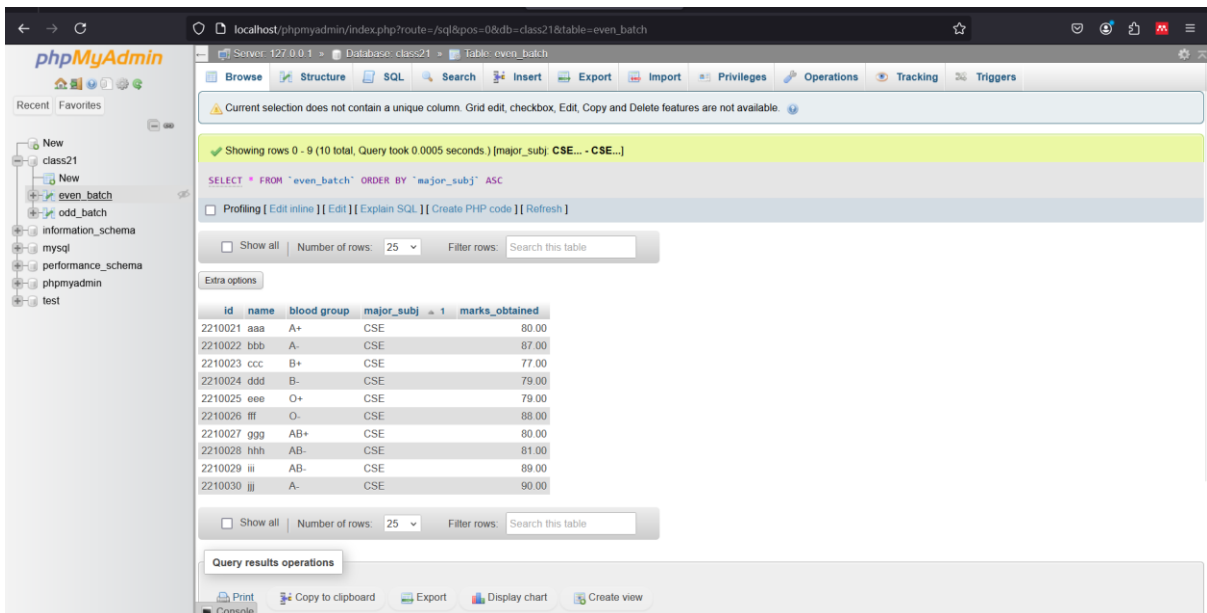


The screenshot shows the phpMyAdmin interface for a database named 'class21'. The table 'even_batch' is selected. The table structure is as follows:

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 the same database and table. The 'major subjects' column has been dropped. The table structure is as follows:

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

