

# COLLEGE DATABASE

//tables

The screenshot shows the phpMyAdmin interface for the 'college' database. The left sidebar displays a tree view of the database structure, including tables like 'publisher', 'college', 'marks', 'sem\_sec', 'student', 'subjects', 'usn\_22', 'information\_schema', 'insurance', 'movie', 'actor', 'director', 'movies', 'movie\_cast', 'rating', 'mysql', and 'op db'. The main panel shows the 'Structure' tab for the 'college' database. It lists 6 tables: 'class', 'marks', 'sem\_sec', 'student', 'subjects', and 'usn\_22'. Each table entry includes icons for Browse, Structure, Search, Insert, Empty, and Drop, along with details like Rows, Type, Collation, Size, and Overhead. Below the table list, there is a 'Create table' section with a 'Name' field and a 'Number of columns' field set to 4. The bottom status bar shows the system time as 10:44 on 28-06-2021.

Table	Action	Rows	Type	Collation	Size	Overhead
class	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	48.0 KiB	-
marks	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	64.0 KiB	-
sem_sec	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
student	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
subjects	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
usn_22	Browse Structure Search Insert Edit Drop	~0	View	---	-	-
<b>6 tables Sum</b>		<b>~25</b>	<b>InnoDB</b>	<b>utf8mb4_general_ci</b>	<b>160.0 KiB</b>	<b>0 B</b>

The screenshot shows the phpMyAdmin interface for the 'class' table in the 'college' database. The left sidebar shows the database structure, with 'class' selected under the 'college' database. The main panel shows the 'Browse' tab for the 'class' table. It displays a message: 'Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.' Below this, it shows the query results for the query 'SELECT \* FROM `class`'. The results are displayed in a table with 5 rows. The bottom status bar shows the system time as 10:42 on 28-06-2021.

USN	SSID
33	1
220	2
8	3
38	4
45	5

Yash OS Lab (12) TFC DB DB Sail Sam Lect CSE CSE UG (52) (52) + -

localhost/phpmyadmin/sql.php?server=1&db=college&table=marks&pos=0

phpMyAdmin

Recent Favorites

- publisher
- college
  - Tables
    - New
    - class
    - marks
    - sem\_sec
    - student
    - subjects
  - Views
- information\_schema
- insurance
- movie
  - New
  - actor
  - director
  - movies
  - movie\_cast
  - rating
- mysql
- op db

Server: 127.0.0.1 » Database: college » Table: marks

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

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

Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

```
SELECT * FROM `marks`
```

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

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

+ Options

USN	SUBCODE	SSID	TEST1	TEST2	TEST3	FINAL_ALL	CATEGORY
33	10	1	20	20	20	20	OUTSTANDING
220	10	2	19	20	19	19.5	OUTSTANDING
8	10	3	19	20	20	20	OUTSTANDING
38	10	4	20	18	16	19	OUTSTANDING
45	10	5	19	20	15	19.5	OUTSTANDING

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

Query results operations

Console

Type here to search

25°C 10:42 28-06-2021

Yash OS Lab (12) TFC DB DB Sail Sam Lect CSE CSE UG (52) (52) + -

localhost/phpmyadmin/sql.php?server=1&db=college&table=sem\_sec&pos=0

phpMyAdmin

Recent Favorites

- publisher
- college
  - Tables
    - New
    - class
    - marks
    - sem\_sec
    - student
    - subjects
  - Views
- information\_schema
- insurance
- movie
  - New
  - actor
  - director
  - movies
  - movie\_cast
  - rating
- mysql
- op db

Server: 127.0.0.1 » Database: college » Table: sem\_sec

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

```
SELECT * FROM `sem_sec`
```

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

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

+ Options

	SSID	SEM	SEC
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	4	A
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	4	A
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	4	B
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	4	C
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5	4	C

☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

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

Query results operations

Console

Type here to search

25°C 10:42 28-06-2021

Yash OS Lab (12) TFC DBH DBH Sail Sam Lect CSE CSE UG (52) (52) +

localhost/phpmyadmin/sql.php?server=1&db=college&table=student&pos=0

phpMyAdmin

Recent Favorites

publisher  
college  
Tables  
New  
class  
marks  
sem\_sec  
student  
subjects  
Views  
information\_schema  
insurance  
movie  
New  
actor  
director  
movies  
movie\_cast  
rating  
mysql  
op db

Server: 127.0.0.1 » Database: college » Table: student

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

SELECT \* FROM `student`

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

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	USN	S_NAME	ADDRESS	PHONE	GENDER
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	8	AJITH	BANASHANKARI	231432	MALE
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	33	VINEETH	RAJAJINAGAR	231213	MALE
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	38	CHANDRASHEKHAR	BASAVANAGUDI	212543	MALE
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	45	DEREK	KATTARIGUPPE	231443	MALE
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	220	NEELAM	CHANDRA LAYOUT	231232	FEMALE

Check all With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Console

Type here to search

25°C 10:42 28-06-2021

Yash OS Lab (12) TFC DBH DBH Sail Sam Lect CSE CSE UG (52) (52) +

localhost/phpmyadmin/sql.php?server=1&db=college&table=subjects&pos=0

phpMyAdmin

Recent Favorites

publisher  
college  
Tables  
New  
class  
marks  
sem\_sec  
student  
subjects  
Views  
information\_schema  
insurance  
movie  
New  
actor  
director  
movies  
movie\_cast  
rating  
mysql  
op db

Server: 127.0.0.1 » Database: college » Table: subjects

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

SELECT \* FROM `subjects`

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

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	SUBCODE	TITLE	SEM	CREDITS
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	10	CN	4	5
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	20	UNIX	4	5
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	30	DSA	4	4
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	40	DBMS	5	4
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	50	CNS	4	6

Check all With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

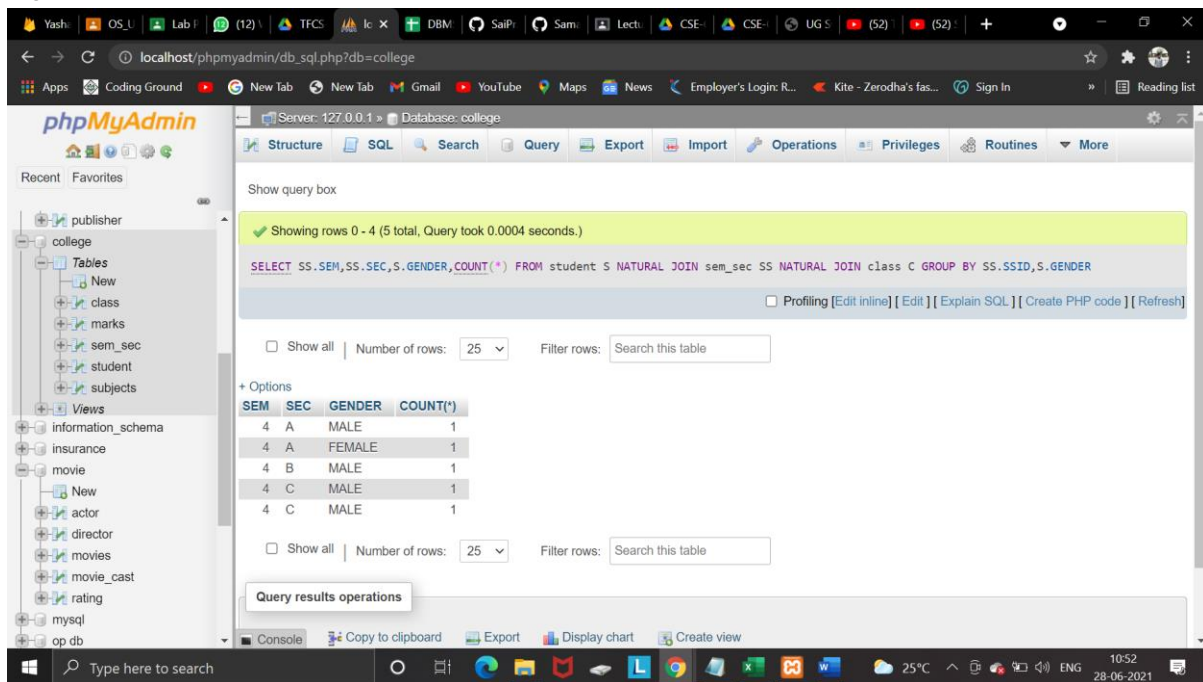
Console

Type here to search

25°C 10:42 28-06-2021

## // QUERIES

2)



The screenshot shows the phpMyAdmin interface for a database named 'college'. The left sidebar shows the database structure with tables like 'student', 'sem\_sec', 'class', 'marks', 'subjects', 'actor', 'director', 'movies', 'movie\_cast', 'rating', 'mysql', and 'op\_db'. The main area displays a SQL query: `SELECT SS.SEM,SS.SEC,S.GENDER,COUNT(*) FROM student S NATURAL JOIN sem_sec SS NATURAL JOIN class C GROUP BY SS.SSID,S.GENDER`. The query results show 5 rows (0-4) with columns SEM, SEC, GENDER, and COUNT(\*). The results are as follows:

SEM	SEC	GENDER	COUNT(*)
4	A	MALE	1
4	A	FEMALE	1
4	B	MALE	1
4	C	MALE	1
4	C	MALE	1

3) Create a view of Test1 marks of student USN '1BI15CS101' in all subjects.

Select \* from usn\_22;

+ Options

← T →	USN	SUB	MARKS
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1022	ADA	12

4)

The screenshot shows the phpMyAdmin interface for a database named 'college'. The 'marks' table is selected. The SQL tab is active, showing the following queries:

```
ALTER TABLE marks ADD COLUMN FINAL_AL FLOAT
```

```
UPDATE marks SET FINAL_ALL=((TEST1+TEST2+TEST3)/3)/2
```

```
SELECT *FROM marks
```

The results show that the first query returned an empty result set, the second query affected 5 rows, and the third query shows rows 0-4 (5 total).

The screenshot shows the phpMyAdmin interface for the 'college' database, displaying the 'marks' table. The table structure is as follows:

USN	SUBCODE	SSID	TEST1	TEST2	TEST3	FINAL_ALL	CATEGORY	FINAL_AL
33	10	1	20	20	20	0	OUTSTANDING	NULL
220	10	2	19	20	19	0	OUTSTANDING	NULL
8	10	3	19	20	20	0	OUTSTANDING	NULL
38	10	4	20	18	16	0	OUTSTANDING	NULL
45	10	5	19	20	15	0	OUTSTANDING	NULL

5)

ALTER TABLE marks ADD COLUMN VARCHAR(20);

UPDATE marks SET CATEGORY=CASE WHEN FINAL\_ALL>=17 AND FINAL\_ALL<=20 THEN 'OUTSTANDING' WHEN FINAL\_ALL>=12 AND FINAL\_ALL<17 THEN 'AVERAGE' WHEN FINAL\_ALL<12 THEN 'WEAK' END;