

# Student enrolment db.

//tables

The screenshot shows the phpMyAdmin interface for the 'enrollment' database. The left sidebar lists various databases, with 'enrollment' selected. The main panel displays the 'Structure' tab for the 'enrollment' database. A table with 5 tables is shown, including 'adoption', 'course', 'enroll', 'student', and 'text\_book'. The table 'adoption' is highlighted, showing its structure: 4 rows, InnoDB engine, utf8mb4\_general\_ci collation, and a size of 32.0 KiB. Below the table list, there is a 'Create table' section with a 'Name' field and a 'Number of columns' field set to 4.

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> adoption	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	4	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> course	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> enroll	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	5	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> student	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> text_book	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	4	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<b>5 tables</b>	<b>Sum</b>	<b>21</b>	<b>InnoDB</b>	<b>utf8mb4_general_ci</b>	<b>112.0 KiB</b>	<b>0 B</b>

The screenshot shows the phpMyAdmin interface for the 'enrollment' database, specifically the 'adoption' table. The 'Browse' tab is selected, displaying the table's data. A message at the top indicates 'Showing rows 0 - 3 (4 total, Query took 0.0003 seconds.)'. The SQL query 'SELECT \* FROM `adoption`' is shown. Below the query, there are options to 'Show all', 'Number of rows' (set to 25), 'Filter rows' (Search this table), and 'Sort by key' (None). The table data is displayed with columns 'COURSE\_ID', 'SEM', and 'ISBN'. The data rows are:

COURSE_ID	SEM	ISBN
1	5	1000001
2	5	1000002
2	5	1000004
3	5	1000003

Yash OS Lab (8) V TFC DB DB DB Sam Lect CSE CSE UG how (52) + -

localhost/phpmyadmin/sql.php?server=1&db=enrollment&table=course&pos=0

phpMyAdmin

Recent Favorites

- book dealer db
- college
- enrollment
  - New
  - adoption
  - course
  - enroll
  - student
  - text\_book
- information\_schema
- insurance
- movie
- mysql
- op db
- performance\_schema
- phpmyadmin
- student enrollment db
- student faculty
- supplier
- test

Server: 127.0.0.1 » Database: enrollment » Table: course

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 2 (3 total, Query took 0.0002 seconds.)

```
SELECT * FROM `course`
```

☐ 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

	COURSE_ID	CNAME	DEPT
<input type="checkbox"/> Edit <a href="#">Copy</a> <a href="#">Delete</a>	1	COMPUTER NETWORKS	CS
<input type="checkbox"/> Edit <a href="#">Copy</a> <a href="#">Delete</a>	2	INFORMATION SECURITY	CS
<input type="checkbox"/> Edit <a href="#">Copy</a> <a href="#">Delete</a>	3	ARTIFICIAL INTELLIGENCE	CS

☐ 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

[Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

Console

Type here to search

25°C 11:28 28-06-2021

Yash OS Lab (8) V TFC DB DB DB Sam Lect CSE CSE UG how (52) + -

localhost/phpmyadmin/sql.php?server=1&db=enrollment&table=enroll&pos=0

phpMyAdmin

Recent Favorites

- book dealer db
- college
- enrollment
  - New
  - adoption
  - course
  - enroll
  - student
  - text\_book
- information\_schema
- insurance
- movie
- mysql
- op db
- performance\_schema
- phpmyadmin
- student enrollment db
- student faculty
- supplier
- test

Server: 127.0.0.1 » Database: enrollment » Table: enroll

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

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

```
SELECT * FROM `enroll`
```

☐ 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

	REGNO	COURSE_ID	SEM	MARKS
<input type="checkbox"/> Edit <a href="#">Copy</a> <a href="#">Delete</a>	1BM19CS008	1	5	99
<input type="checkbox"/> Edit <a href="#">Copy</a> <a href="#">Delete</a>	1BM19CS033	2	5	100
<input type="checkbox"/> Edit <a href="#">Copy</a> <a href="#">Delete</a>	1BM19CS038	2	5	94
<input type="checkbox"/> Edit <a href="#">Copy</a> <a href="#">Delete</a>	1BM19CS045	3	5	100
<input type="checkbox"/> Edit <a href="#">Copy</a> <a href="#">Delete</a>	1BM19CS220	3	5	100

☐ 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 11:28 28-06-2021

Yash OS Lab (9) V TFC DB DB DB Sam Lect CSE CSE UG how (52) +

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

Server: 127.0.0.1 » Database: enrollment » Table: student

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

	REGNO	NAME	MAJOR	BDATE
<input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	1BM19CS008	AJITH	CS	2001-01-08
<input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	1BM19CS033	VINEETH	CS	2000-12-28
<input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	1BM19CS038	CHANDRASHEKHAR	CS	2001-09-07
<input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	1BM19CS045	DEREK	CS	2001-07-29
<input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	1BM19CS220	NEELAM	CS	2001-04-21

☐ 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 11:29 28-06-2021

Yash OS Lab (9) V TFC DB DB DB Sam Lect CSE CSE UG how (52) +

localhost/phpmyadmin/sql.php?server=1&db=enrollment&table=text\_book&pos=0

Server: 127.0.0.1 » Database: enrollment » Table: text\_book

Showing rows 0 - 3 (4 total, Query took 0.0002 seconds.)

```
SELECT * FROM `text_book`
```

☐ 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

	ISBN	BOOK_TITLE	PUBLISHER	AUTHOR
<input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	1000001	COMPUTER NETWORKS AND COMMUNICATIONS	MICROSOFT	DAVID BOMBAL
<input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	1000002	BEGINNERS GUIDE TO INFORMATION SECURITY	ORACLE	JAMES CARTER
<input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	1000003	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	ORACLE	JAMES CARTER
<input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	1000004	BEGINNERS GUIDE TO NETWORK SECURITY	LINUX CORP	LINUS TORVALDS

☐ 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 [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

Type here to search

25°C 11:29 28-06-2021

## // QUERIES

3)

The screenshot displays the phpMyAdmin interface with two SQL queries and their results.

**Query 1:**

```
INSERT INTO `text_book`(`ISBN`, `BOOK_TITLE`, `PUBLISHER`, `AUTHOR`) VALUES (1000005,'INTRODUCTION TO MACOS','APPLE','TIM COOK')
```

**Query 2:**

```
INSERT INTO `adoption`(`COURSE_ID`, `SEM`, `ISBN`) VALUES (1,5,1000005)
```

**Table: adoption**

Showing rows 0 - 4 (5 total, Query took 0.0002 seconds.)

```
SELECT * FROM `adoption`
```

	COURSE_ID	SEM	ISBN
<input type="checkbox"/>	1	5	1000001
<input type="checkbox"/>	1	5	1000005
<input type="checkbox"/>	2	5	1000002
<input type="checkbox"/>	2	5	1000004
<input type="checkbox"/>	3	5	1000003

**Table: text\_book**

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

```
SELECT * FROM `text_book`
```

	ISBN	BOOK_TITLE	PUBLISHER	AUTHOR
<input type="checkbox"/>	1000001	COMPUTER NETWORKS AND COMMUNICATIONS	MICROSOFT	DAVID BOMBAL
<input type="checkbox"/>	1000002	BEGINNERS GUIDE TO INFORMATION SECURITY	ORACLE	JAMES CARTER
<input type="checkbox"/>	1000003	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	ORACLE	JAMES CARTER
<input type="checkbox"/>	1000004	BEGINNERS GUIDE TO NETWORK SECURITY	LINUX CORP	LINUS TORVALDS
<input type="checkbox"/>	1000005	INTRODUCTION TO MACOS	APPLE	TIM COOK

4)

The screenshot shows the phpMyAdmin interface with the 'adoption' table selected. The SQL query executed is:

```
SELECT COURSE_ID,A.ISBN,BOOK_TITLE FROM adoption A,text_book WHERE COURSE_ID IN(SELECT COURSE_ID FROM course WHERE DEPT='CS') AND BOOK_TITLE IN(SELECT BOOK_TITLE FROM text_book T WHERE T.ISBN=A.ISBN) GROUP BY COURSE_ID HAVING COUNT(A.ISBN)>=2
```

The query results show 2 rows:

COURSE_ID	ISBN	BOOK_TITLE
1	1000001	COMPUTER NETWORKS AND COMMUNICATIONS
2	1000002	BEGINNERS GUIDE TO INFORMATION SECURITY

5)

The screenshot shows the phpMyAdmin interface with the 'course' table selected. The SQL query executed is:

```
SELECT C1.DEPT FROM course C1 NATURAL JOIN adoption A1 NATURAL JOIN text_book T1,course C2 NATURAL JOIN adoption A2 NATURAL JOIN text_book T2 WHERE (C1.COURSE_ID!=C2.COURSE_ID AND C1.DEPT=C2.DEPT AND T1.PUBLISHER=T2.PUBLISHER)
```

The query results show 2 rows, both with the department 'CS':

DEPT
CS
CS