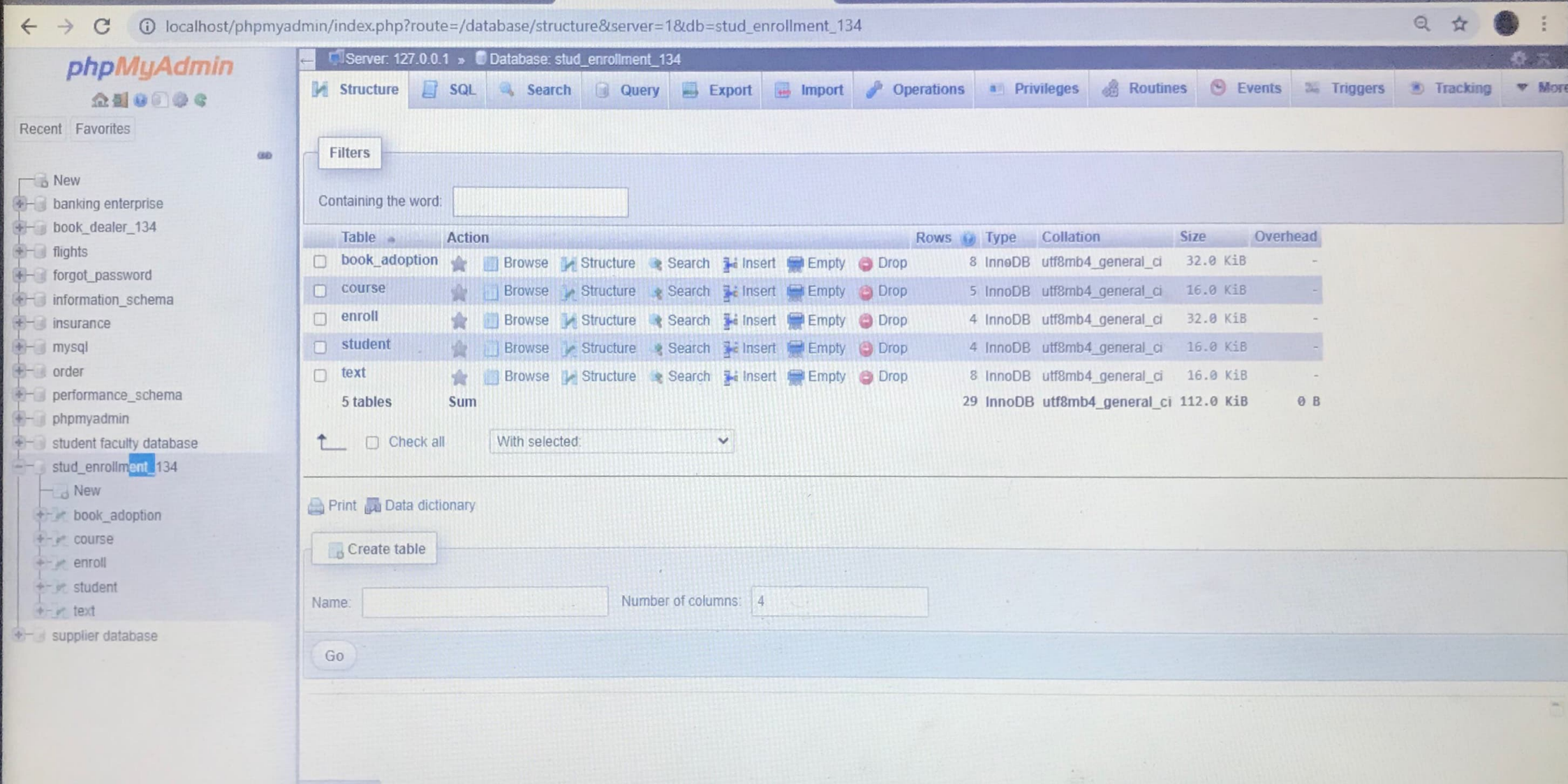
localhost/phpmyadmin/index.php?route=/database/structure&server=1&db=stud_enrollment_134
phpMyAdmin
Recent
Favorites
New
banking enterprise
book_dealer_134
flights
forgot_password
information_schema
insurance
mysql
order
performance_schema
phpmyadmin
student faculty database
stud_enrollment_134
New
book_adoption
course
enroll
student
text
supplier database
Server: 127.0.0.1 » Database: stud_enrollment_134
Structure
SQL
Search
Query
Export
Import
Operations
Privileges
Routines
Events
Triggers
Tracking
Filters
Containing the word:
Table
Action
Rows
Type
Collation
Size
Overhead
book_adoption Browse Structure Search Insert Empty Drop 8 InnoDB utf8mb4_general_ci 32.0 KiB -
course Browse Structure Search Insert Empty Drop 5 InnoDB utf8mb4_general_ci 16.0 KiB -
enroll Browse Structure Search Insert Empty Drop 4 InnoDB utf8mb4_general_ci 32.0 KiB -
student Browse Structure Search Insert Empty Drop 4 InnoDB utf8mb4_general_ci 16.0 KiB -
text Browse Structure Search Insert Empty Drop 8 InnoDB utf8mb4_general_ci 16.0 KiB -
5 tables Sum 29 InnoDB utf8mb4_general_ci 112.0 KiB 0 B
Check all
With selected:
Print
Data dictionary
Create table
Name:
Number of columns: 4
Go

localhost/phpmyadmin/index.php?route=/database/sql&db=stud_enrollment_134

phpMyAdmin

Recent Favorites

- New
- banking enterprise
- book_dealer_134
- flights
- forgot_password
- information_schema
- insurance
- mysql
- order
- performance_schema
- phpmyadmin
- student faculty database
- stud_enrollment_134
  - New
  - book_adoption
  - course
  - enroll
  - student
  - text
- supplier database

Server: 127.0.0.1 » Database: stud_enrollment_134 » Table: BOOK_ADOPTION

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

1 row inserted. (Query took 0.0891 seconds.)

```
INSERT INTO text (book_isbn, book_title, publisher,author) VALUES (23,'ADA','PEARSON','SCHIELD')
```

[Edit inline] [Edit] [Create PHP code]

Showing rows 0 - 8 (9 total, Query took 0.0044 seconds.)

```
SELECT * FROM TEXT
```

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

				book_isbn	book_title	publisher	author
☐	Edit	Copy	Delete	10	DATABASE SYSTEMS	PEARSON	SCHIELD
☐	Edit	Copy	Delete	23	ADA	PEARSON	SCHIELD
☐	Edit	Copy	Delete	900	OPERATING SYS	PEARSON	LELAND
☐	Edit	Copy	Delete	901	CIRCUITS	HALL INDIA	BOB
☐	Edit	Copy	Delete	902	SYSTEM SOFTWARE	PETERSON	JACOB
☐	Edit	Copy	Delete	903	SCHEDULING	PEARSON	PATIL
☐	Edit	Copy	Delete	904	DATABASE SYSTEMS	PEARSON	JACOB
☐	Edit	Copy	Delete	905	DATABASE MANAGER	PEARSON	BOB
☐	Edit	Copy	Delete	906	SIGNALS	HALL INDIA	SUMIT

Check all With selected: Edit Copy Delete Export

localhost/phpmyadmin/index.php?route=/table/sql&db=stud_enrollment_134&table=BOOK_ADOPTION

phpMyAdmin

Recent Favorites

- New
- banking enterprise
- book_dealer_134
- flights
- forgot_password
- information_schema
- insurance
- mysql
- order
- performance_schema
- phpmyadmin
- student faculty database
- stud_enrollment_134
  - New
  - book_adoption
  - course
  - enroll
  - student
  - text
- supplier database

Server: 127.0.0.1 » Database: stud_enrollment_134 » Table: BOOK_ADOPTION

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

Show query box

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

Showing rows 0 - 3 (4 total, Query took 0.0177 seconds.) [book_title: ADA... - SCHEDULING...]

```
SELECT c.courseno,t.book_isbn,t.book_title FROM course c,book_adoption ba,text t WHERE c.courseno=ba.courseno AND ba.book_isbn=t.book_isbn AND c.dept='CSE' AND
2<( SELECT COUNT(book_isbn) FROM book_adoption b WHERE c.courseno=b.courseno) ORDER BY t.book_title
```

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

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

+ Options

courseno	book_isbn	book_title
111	23	ADA
111	904	DATABASE SYSTEMS
111	900	OPERATING SYS
111	903	SCHEDULING

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

Query results operations

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

Bookmark this SQL query

Let every user access this bookmark

File Edit Format View Help

```
create database Stud_Enrollment_134;
use Stud_Enrollment_134;

CREATE TABLE student(
regno VARCHAR(30),
name VARCHAR(50),
major VARCHAR(30),
bdate DATE,
PRIMARY KEY (regno));


CREATE TABLE course(
courseno INT,
cname VARCHAR(20),
dept VARCHAR(20),
PRIMARY KEY (courseno));


CREATE TABLE enroll(
regno VARCHAR(15),
courseno INT,
sem INT(3),
marks INT(4),
PRIMARY KEY (regno,courseno),
FOREIGN KEY (regno) REFERENCES student (regno),
FOREIGN KEY (courseno) REFERENCES course (courseno));


CREATE TABLE text(
book_isbn INT(5),
book_title VARCHAR(20),
publisher VARCHAR(20),
author VARCHAR(20),
PRIMARY KEY (book_isbn));
```

File Edit Format View Help

```
CREATE TABLE book_adoption(
courseno INT,
sem INT(3),
book_isbn INT(5),
PRIMARY KEY (courseno,book_isbn),
FOREIGN KEY (courseno) REFERENCES course (courseno) on update cascade,
FOREIGN KEY (book_isbn) REFERENCES text(book_isbn)on update cascade
);


INSERT INTO student (regno,name,major,bdate) VALUES
('1BM19CS404','Md','sr','19930924'),
('1BM19CS401','Arbaz','sr','19931127'),
('1BM19CS400','Abhishek','sr','19930413'),
('1BM19CS402','Chirag','jr','19940824');
select * from student;

INSERT INTO course VALUES (111,'OS','CSE'),
(112,'TFCS','CSE'),
(113,'ADA','ISE'),
(114,'DBMS','CSE'),
(115,'C','ECE');
select * from course;

INSERT INTO text (book_isbn,book_title,publisher,author)VALUES
(10,'DATABASE SYSTEMS','PEARSON','SCHIELD'),
(900,'OPERATING SYS','PEARSON','LELAND'),
(901,'CIRCUITS','HALL INDIA','BOB'),
(902,'SYSTEM SOFTWARE','PETERSON','JACOB'),
(903,'SCHEDULING','PEARSON','PATIL'),
(904,'DATABASE SYSTEMS','PEARSON','JACOB'),
(905,'DATABASE MANAGER','PEARSON','BOB'),
(906,'SIGNALS','HALL INDIA','SUMIT');
select * from text;
```

File Edit Format View Help

```
INSERT INTO text (book_isbn,book_title,publisher,author)VALUES
(10,'DATABASE SYSTEMS','PEARSON','SCHIELD'),
(900,'OPERATING SYS','PEARSON','LELAND'),
(901,'CIRCUITS','HALL INDIA','BOB'),
(902,'SYSTEM SOFTWARE','PETERSON','JACOB'),
(903,'SCHEDULING','PEARSON','PATIL'),
(904,'DATABASE SYSTEMS','PEARSON','JACOB'),
(905,'DATABASE MANAGER','PEARSON','BOB'),
(906,'SIGNALS','HALL INDIA','SUMIT');
select * from text;

INSERT INTO enroll (regno,courseno,sem,marks) VALUES
('1BM19CS404',114,5,100),
('1BM19CS401',113,5,100),
('1BM19CS400',111,5,100),
('1BM19CS402',112,3,100);
select * from enroll;

INSERT INTO book_adoption (courseno,sem,book_isbn) VALUES
(111,5,900),
(111,5,903),
(111,5,904),
(112,3,901),
(113,3,10),
(114,5,905),
(113,5,902),
(115,3,906);
select * from book_adoption;
commit;


/*QUERIES:
01. Demonstrate how you add a new text book to the database
and make this book be adopted by some department */
```

File Edit Format View Help

```
/*QUERIES:
01. Demonstrate how you add a new text book to the database
and make this book be adopted by some department */

INSERT INTO text (book_isbn, book_title, publisher,author) VALUES (23,'ADA','PEARSON','SCHIELD');
SELECT * FROM TEXT;
INSERT INTO book_adoption (courseno,sem,book_isbn) VALUES (111,5,23);
SELECT * FROM BOOK_ADOPTION;

/*02. Produce a list of text books [include course #, Book ISBN, Book title] in the alphabetical order for courses offered by
the 'CS' department that use more than two books. STUDENT ENROLLMENT DATABASE*/

SELECT c.courseno,t.book_isbn,t.book_title
FROM course c,book_adoption ba,text t
WHERE c.courseno=ba.courseno
AND ba.book_isbn=t.book_isbn
AND c.dept='CSE'
AND 2<( SELECT COUNT(book_isbn)
FROM book_adoption b
WHERE c.courseno=b.courseno)
ORDER BY t.book_title;

/*03. List any department that has all its adopted books published by a specific publisher. */
SELECT DISTINCT c.dept FROM course c
WHERE c.dept IN ( SELECT c.dept FROM course
c,book_adoption b,text t WHERE c.courseno=b.courseno
AND t.book_isbn=b.book_isbn AND
t.publisher='PEARSON') AND c.dept NOT IN
(SELECT c.dept FROM course c,book_adoption b,
WHERE c.courseno=b.courseno AND
t.book_isbn=b.book_isbn AND t.publisher =
'PEARSON');

SELECT DISTINCT c.dept FROM course c,book_adoption b,text t
```