

Lab 8

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.4226 seconds.)

```
CREATE TABLE student( regno VARCHAR(15), name VARCHAR(20), major VARCHAR(20), bdate DATE, PRIMARY KEY (regno) )
```

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

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.4287 seconds.)

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

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

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.2584 seconds.)

```
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) )
```

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

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.2279 seconds.)

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

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

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.6688 seconds.)

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

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








STUDENT:

				regno	name	major	bdate
<input type="checkbox"/>		Edit		Copy		Delete	1pe11cs001 a sr 1993-12-30
<input type="checkbox"/>		Edit		Copy		Delete	1pe11cs002 b sr 1993-09-24
<input type="checkbox"/>		Edit		Copy		Delete	1pe11cs003 c sr 1993-11-27
<input type="checkbox"/>		Edit		Copy		Delete	1pe11cs004 d sr 1993-04-13
<input type="checkbox"/>		Edit		Copy		Delete	1pe11cs005 e jr 1994-08-24

COURSE:

				courseno	cname	dept	
<input type="checkbox"/>				111	OS	CSE	
<input type="checkbox"/>		Edit		Copy		Delete	112 EC CSE
<input type="checkbox"/>		Edit		Copy		Delete	113 SS ISE
<input type="checkbox"/>		Edit		Copy		Delete	114 DBMS CSE
<input type="checkbox"/>		Edit		Copy		Delete	115 SIGNALS ECE






















ENROLL:

<div><div><div></div><div></div><div></div></div></div>				regno	courseno	sem	marks
<input type="checkbox"/>		Edit	 Copy  Delete	1pe11cs001	115	3	100
<input type="checkbox"/>		Edit	 Copy  Delete	1pe11cs002	114	5	100
<input type="checkbox"/>		Edit	 Copy  Delete	1pe11cs003	113	5	100
<input type="checkbox"/>		Edit	 Copy  Delete	1pe11cs004	111	5	100
<input type="checkbox"/>		Edit	 Copy  Delete	1pe11cs005	112	3	100

TEXT:

<div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div></div></div></div>							book_isbn	book_title	publisher	author
<div><div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div></div></div> <div>Edit</div> <div><div><div></div><div></div><div></div></div></div> <div>Copy</div> <div><div><div></div><div></div><div></div></div></div> <div>Delete</div>	10	DATABASE SYSTEMS	PEARSON	SCHIELD						
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<div><div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div></div></div> <div>Edit</div> <div><div><div></div><div></div><div></div></div></div> <div>Copy</div> <div><div><div></div><div></div><div></div></div></div> <div>Delete</div>	904	DATABASE SYSTEMS	PEARSON	JACOB						
<div><div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div></div></div> <div>Edit</div> <div><div><div></div><div></div><div></div></div></div> <div>Copy</div> <div><div><div></div><div></div><div></div></div></div> <div>Delete</div>	905	DATABASE MANAGER	PEARSON	BOB						
<div><div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div></div></div> <div>Edit</div> <div><div><div></div><div></div><div></div></div></div> <div>Copy</div> <div><div><div></div><div></div><div></div></div></div> <div>Delete</div>	906	SIGNALS	HALL INDIA	SUMIT						

BOOK_ADOPTION:

<div><div><div></div><div></div><div></div></div><div></div></div>			courseno	sem	book_isbn		
<input type="checkbox"/>	Click the drop-down arrow to toggle column's visibility.			111	5	900	
<input type="checkbox"/>		Edit	 Copy	 Delete	111	5	903
<input type="checkbox"/>		Edit	 Copy	 Delete	111	5	904
<input type="checkbox"/>		Edit	 Copy	 Delete	112	3	901
<input type="checkbox"/>		Edit	 Copy	 Delete	113	3	10
<input type="checkbox"/>		Edit	 Copy	 Delete	113	5	902
<input type="checkbox"/>		Edit	 Copy	 Delete	114	5	905
<input type="checkbox"/>		Edit	 Copy	 Delete	115	3	906

- Demonstrate how you add a new text book to the database and make this book be adopted by some department.

✓ 1 row inserted. (Query took 0.1060 seconds.)

`INSERT INTO TEXT VALUES(907, 'ANALYSIS AND DESIGN OF ALGORITHMS', 'PEARSON', 'PATIL')`

[\[Edit inline\]](#) [\[Edit \]](#) [\[Create PHP code \]](#)

	book_isbn	book_title	publisher	author
<input type="checkbox"/> Edit <input type="image"/> Copy <input type="image"/> Delete	10	DATABASE SYSTEMS	PEARSON	SCHIELD
<input type="checkbox"/> Edit <input type="image"/> Copy <input type="image"/> Delete	900	OPERATING SYS	PEARSON	LELAND
<input type="checkbox"/> Edit <input type="image"/> Copy <input type="image"/> Delete	901	CIRCUITS	HALL INDIA	BOB
<input type="checkbox"/> Edit <input type="image"/> Copy <input type="image"/> Delete	902	SYSTEM SOFTWARE	PETERSON	JACOB
<input type="checkbox"/> Edit <input type="image"/> Copy <input type="image"/> Delete	903	SCHEDULING	PEARSON	PATIL
<input type="checkbox"/> Edit <input type="image"/> Copy <input type="image"/> Delete	904	DATABASE SYSTEMS	PEARSON	JACOB
<input type="checkbox"/> Edit <input type="image"/> Copy <input type="image"/> Delete	905	DATABASE MANAGER	PEARSON	BOB
<input type="checkbox"/> Edit <input type="image"/> Copy <input type="image"/> Delete	906	SIGNALS	HALL INDIA	SUMIT
<input type="checkbox"/> Edit <input type="image"/> Copy <input type="image"/> Delete	907	ANALYSIS AND DESIGN	PEARSON	PATIL

- 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.

✓ Showing rows 0 - 2 (3 total, Query took 0.0089 seconds.) [book_title: DATABASE SYSTEMS... - 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	904	DATABASE SYSTEMS
111	900	OPERATING SYS
111	903	SCHEDULING

- List any department that has all its adopted books published by a specific publisher.

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0160 seconds.)

```
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,text t WHERE c.courseno=b.courseno AND t.book_isbn=b.book_isbn AND t.publisher != 'PEARSON')
```

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

dept
CSE