

Course Title: Database System Sessional

Course Code: CCE - 224

Lab Problem: 02

Submitted To

Professor Dr. Md. Samsuzzaman

Department of Computer and Communication Engineering Faculty Of Computer Science & Engineering.

Submitted By

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Id : 1902016

Reg. No : 08722

Session : 2019 - 20

Patuakhali Science & Technology University Dumki, Patuakhali - 8602

Insert into Classroom Table

INSERT INTO Classroom (building, room_number, capacity) VALUES (Jamall
Hall', 102, 60);

√ 1 row inserted. (Query took 0.0032 seconds.)

INSERT INTO Classroom (building, room_number, capacity) VALUES
('Jamall Hall', 102, 60);

Insert into department Table

INSERT INTO department (dept_name, building, budget) VALUES ('Computer
Science', 'Engineering', 500000.00);

√ 1 row inserted. (Query took 0.0004 seconds.)

INSERT INTO department (dept_name, building, budget) VALUES
('Computer Science', 'Engineering', 500000.00);

Insert into course Table

INSERT INTO course (course_id, title, dept_name, credits) VALUES
('CS101', 'Introduction to Computer Science', 'Computer Science', 3);

√ 1 row inserted. (Query took 0.0004 seconds.)

INSERT INTO course (course_id, title, dept_name, credits) VALUES
('CS101', 'Introduction to Computer Science', 'Computer
Science', 3);

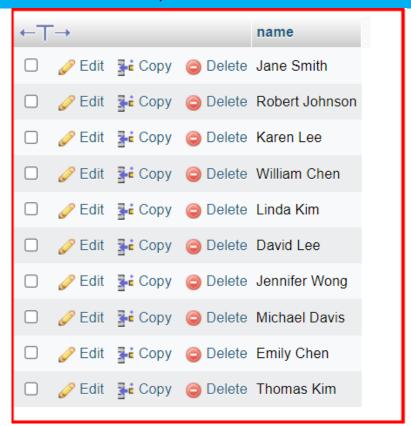
Insert into instructor Table

INSERT INTO instructor (ID, name, dept_name, salary) VALUES ('101',
'John Doe', 'Computer Science', 80000.00);

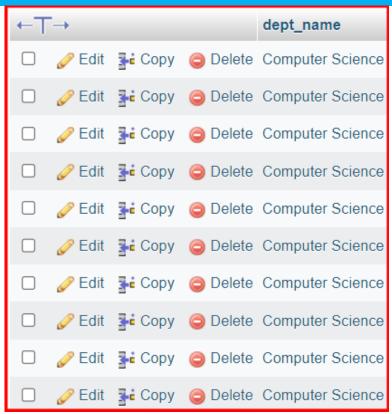
√ 1 row inserted. (Query took 0.0003 seconds.)

INSERT INTO instructor (ID, name, dept_name, salary) VALUES
('101', 'John Doe', 'Computer Science', 80000.00);

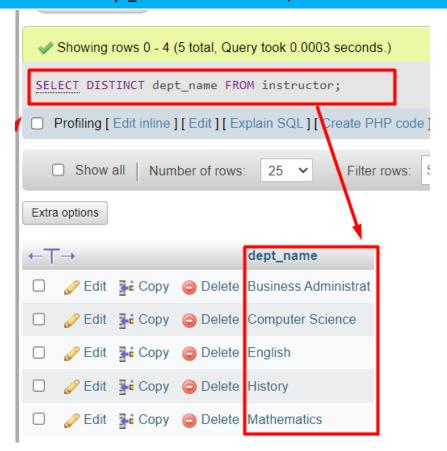
select name from instructor;



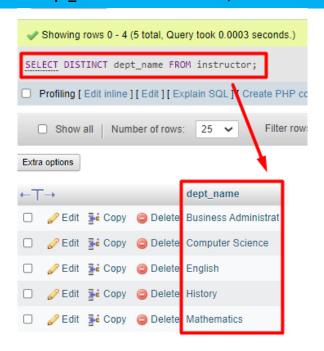
SELECT dept_name FROM instructor;



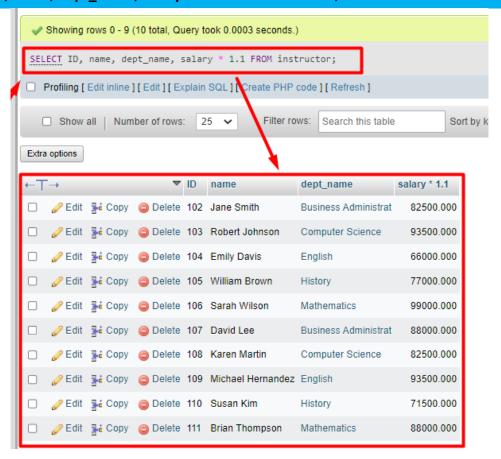
SELECT DISTINCT dept_name FROM instructor;



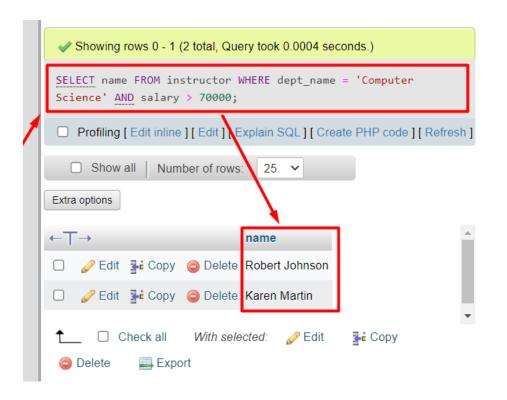
SELECT DISTINCT dept_name FROM instructor;



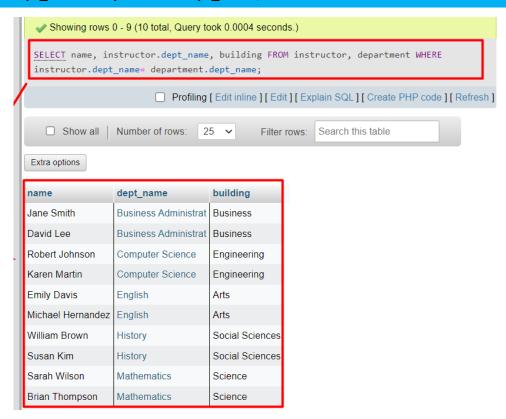
SELECT ID, name, dept_name, salary * 1.1 FROM instructor;



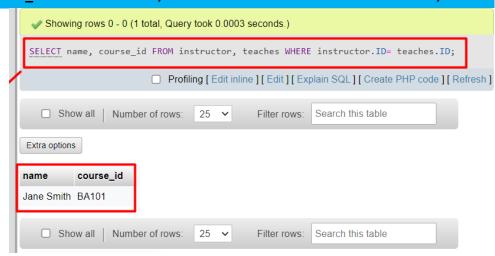
SELECT name FROM instructor WHERE dept_name = 'Computer Science' AND salary > 70000;



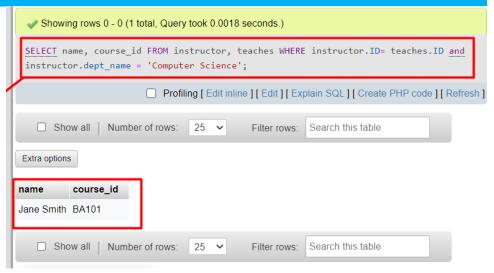
SELECT name, instructor.dept_name, building FROM instructor, department WHERE instructor.dept_name= department.dept_name;



❖ SELECT name, course id FROM instructor, teaches WHERE instructor.ID= teaches.ID;



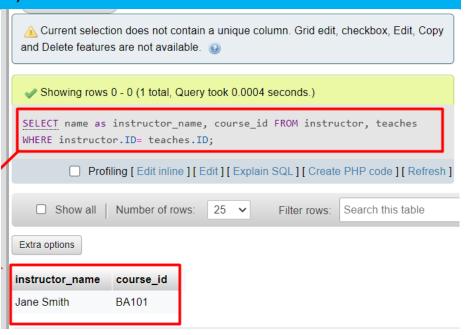
SELECT name, course_id FROM instructor, teaches WHERE instructor.ID= teaches.ID and instructor.dept_name = 'Computer Science';



SELECT name, course_id FROM instructor, teaches WHERE instructor.ID= teaches.ID;

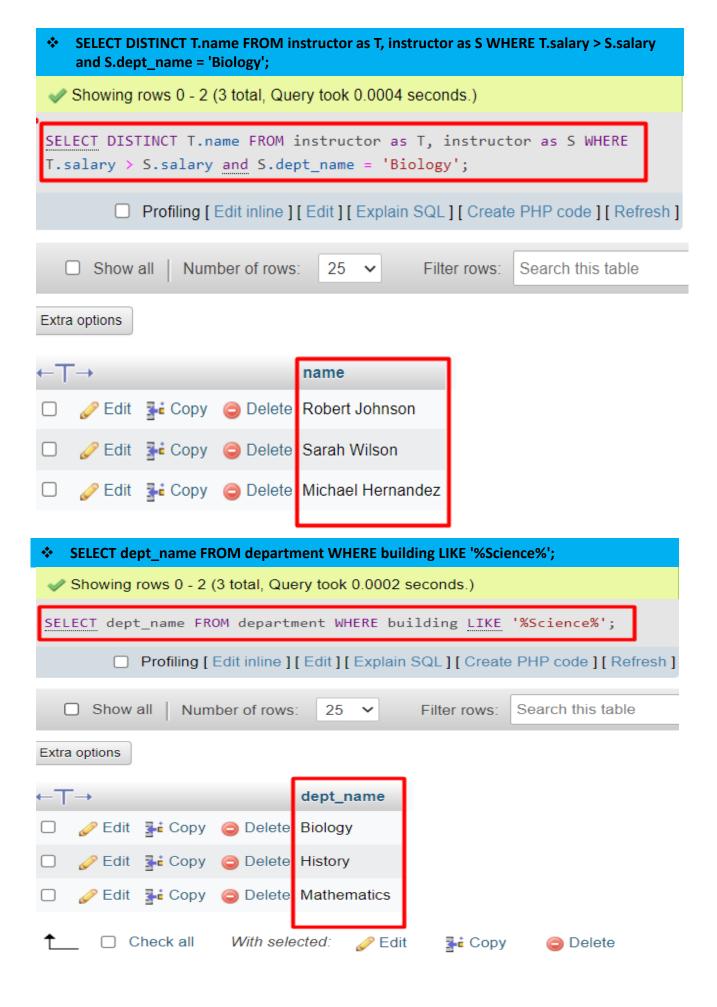


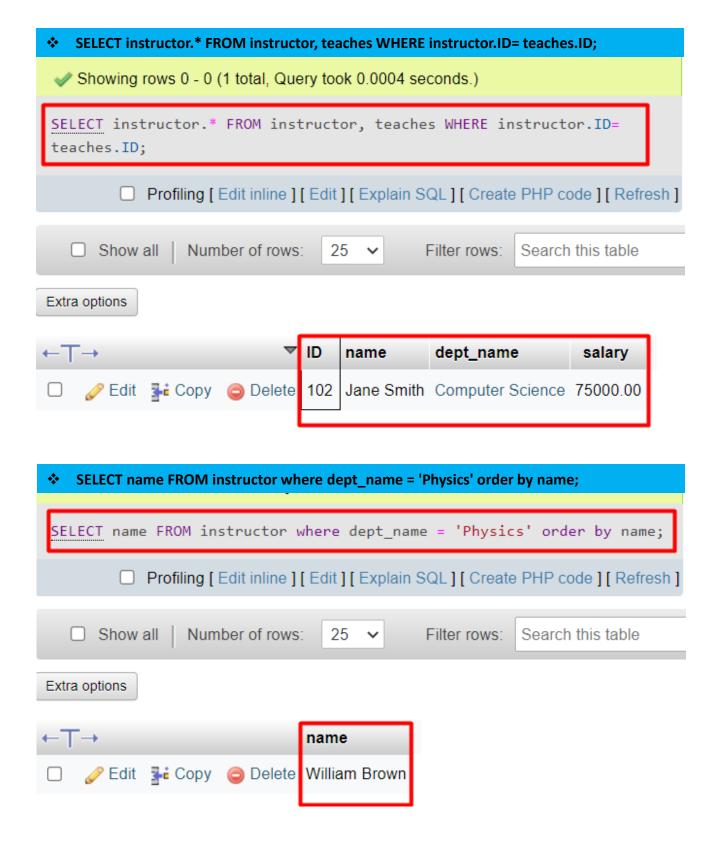
SELECT name as instructor_name, course_id FROM instructor, teaches WHERE instructor.ID= teaches.ID;



SELECT T.name, S.course_id FROM instructor as T, teaches as S WHERE T.ID= S.ID;







```
select name, course id from instructor, teaches where instructor.ID= teaches.ID and dept
name = 'Biology';

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0017 seconds.)

select name, course_id from instructor, teaches where instructor.ID=
teaches.ID and dept_name = 'Biology';

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

name course_id
Blank Result - No data found
```

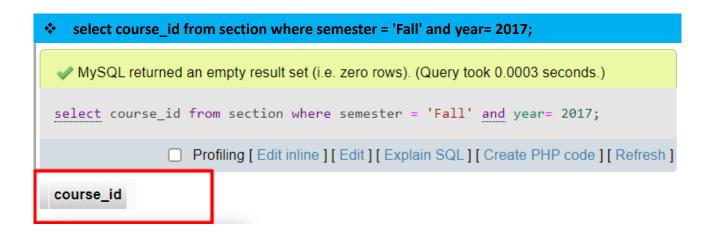
select name, course_id from instructor, teaches where (instructor.ID, dept_name) =
 (teaches.ID, 'Biology');

// MySQL returned an empty result set (i.e. zero rows). (Query took 0.0012 seconds.)

select name, course_id from instructor, teaches where (instructor.ID,
 dept_name) = (teaches.ID, 'Biology');

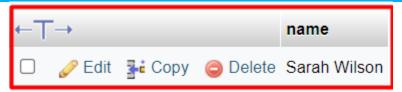
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

name course_id

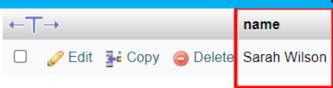


SELECT * FROM instructor ORDER BY salary DESC, name ASC;							
←	Τ→		\triangledown	ID	name 🔺 2	dept_name	salary 🔻 1
	<i></i> Edit	≩ Сору	Delete	106	Sarah Wilson	Mathematics	90000.00
	<i></i> €dit	≩ Copy	Delete	109	Michael Hernandez	English	85000.00
	<i></i> € Edit	≩ Copy	Delete	103	Robert Johnson	Computer Science	85000.00
		≩ • Сору	Delete	111	Brian Thompson	Mathematics	80000.00
	<i></i> Edit	≩ € Сору	Delete	107	David Lee Shishir	Business Administrat	80000.00
	<i></i> €dit	≩ Сору	Delete	112	Shishir	Biology	80000.00
	<i></i> €dit	≩ Copy	Delete	102	Jane Smith	Computer Science	75000.00
		≩ Сору	Delete	108	Karen Martin	Computer Science	75000.00
	<i></i> Edit	≩ € Сору	Delete	105	William Brown	Physics	70000.00
	<i></i> Edit	≩ € Сору	Delete	110	Susan Kim	History	65000.00
	🥜 Edit	≩ € Copy	Delete	104	Emily Davis	English	60000.00

select name from instructor where salary between 90000 and 100000;



❖ SELECT name FROM instructor WHERE salary <= 100000 AND salary >= 90000;



```
select name, course id from instructor, teaches where instructor.ID= teaches.ID and dept
name = 'Biology';

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0017 seconds.)

select name, course_id from instructor, teaches where instructor.ID=
teaches.ID and dept_name = 'Biology';

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

name course_id
Blank Result - No data found
```

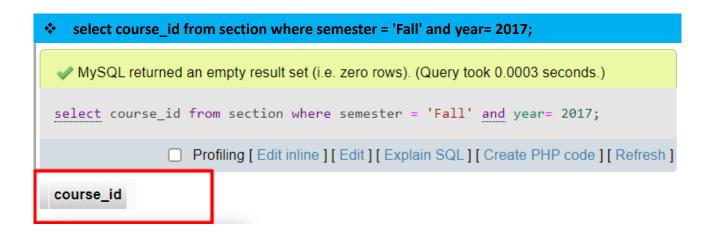
select name, course_id from instructor, teaches where (instructor.ID, dept_name) =
 (teaches.ID, 'Biology');

// MySQL returned an empty result set (i.e. zero rows). (Query took 0.0012 seconds.)

select name, course_id from instructor, teaches where (instructor.ID,
 dept_name) = (teaches.ID, 'Biology');

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

name course_id



```
select course_id from section where semester = 'Spring' and year= 2018;

// MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)

select course_id from section where semester = 'Spring' and year= 2018;

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

course_id
```

(select course_id from section where semester = 'Fall' and year= 2017) union (select course_id from section where semester = 'Spring' and year= 2018);

```
MySQL returned an empty result set (i.e. zero rows). (Query took 0.0005 seconds.)
```

```
(select course_id from section where semester = 'Fall' and
year= 2017) union (select course_id from section where semester
= 'Spring' and year= 2018);
```

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

course_id

(select course_id from section where semester = 'Fall' and year= 2017) union all (select course id from section where semester = 'Spring' and year= 2018);

```
MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)
```

```
(<u>select</u> course_id from section where semester = 'Fall' and year= 2017) union all (<u>select</u> course_id from section where semester = 'Spring' and year= 2018);
```

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

course_id

(select course_id from section where semester = 'Fall' and year= 2017) intersect (select course_id from section where semester = 'Spring' and year= 2018);

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)

(select course_id from section where semester = 'Fall' and
year= 2017) intersect (select course_id from section where
semester = 'Spring' and year= 2018);

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

course_id