

Quiz5 (Advanced MySQL Quiz)

Due Oct 30 at 1:59am**Points** 100**Questions** 12**Time Limit** None**Allowed Attempts** Unlimited

Instructions

You can try this as many times as you want. Just in case, when you get correct queries for the last 3 questions, make sure to save them some place safe.

Also, these queries are quite complex, so don't get discouraged if it takes a few tries to get it.

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
KEPT	Attempt 4	15 minutes	100 out of 100
LATEST	Attempt 4	15 minutes	100 out of 100
	Attempt 3	2 minutes	80 out of 100
	Attempt 2	57 minutes	75 out of 100
	Attempt 1	17 minutes	55 out of 100

🔒 Correct answers are hidden.

Score for this attempt: **100** out of 100

Submitted Oct 29 at 8:21pm

This attempt took 15 minutes.

Question 1

5 / 5 pts

Which of the functions below is an aggregate function?

☐ count

☐ sum

- ☐ avg
- ☒ All of the above

Question 2**5 / 5 pts**

A foreign key with cascade delete means that if a record in the referenced table is deleted, then the corresponding records in the referencing table will automatically be deleted.

- ☒ True
- ☐ False

Question 3**10 / 10 pts**

What is the command to remove rows from a table 'DOCTOR'?

- ☐ REMOVE FROM DOCTOR ...
- ☐ DROP FROM DOCTOR ...
- ☒ DELETE FROM DOCTOR WHERE ...
- ☐ UPDATE FROM DOCTOR ...

Question 4**10 / 10 pts**

We want to find the average of test scores for each student. Which of the following is correct?

```
SELECT student_name, AVG(test_score)
```

```
FROM student
```

☐ GROUP BY test_score;

```
SELECT student_name, AVG(test_score)
```

```
FROM student
```

☒ GROUP BY student_name;

```
SELECT student_name, AVG(test_score)
```

☐ FROM student

```
SELECT student_name, AVG(name)
```

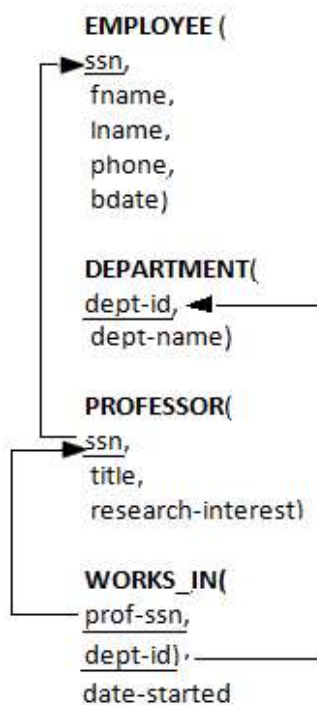
```
FROM student
```

☐ GROUP BY student_name;

Question 5

10 / 10 pts

Consider the following relational schema:



We want to write a SQL query that finds the name of all employees who are assistant professors and their first names start with 'k'. Which of the following queries is/are correct?

☐ SELECT fname, lname
FROM EMPLOYEE
WHERE fname LIKE 'k%' AND ssn = (SELECT ssn
FROM professor
WHERE title = 'assistant');

☒ SELECT fname, lname
FROM EMPLOYEE
WHERE fname LIKE 'k%' AND ssn IN (SELECT ssn
FROM PROFESSOR
WHERE title = 'assistant');

☒ SELECT fname, lname
FROM EMPLOYEE INNER JOIN PROFESSOR ON EMPLOYEE.ssn =
PROFESSOR.ssn
WHERE fname LIKE "k%" AND title = 'assistant';

Question 6

5 / 5 pts

We use a HAVING clause to apply conditions to the groups formed by "GROUP BY".

☒ True

☐ False

Question 7**10 / 10 pts**

SELECT first_name

FROM EMPLOYEE

Choose one of the following for the blank space above, considering we want to display the unique values of the column.

- ☐ Unique
- ☐ All
- ☒ Distinct
- ☐ None of the above

Question 8**10 / 10 pts**

Which of the following queries contains an error?

- ☐ SELECT * FROM EMPLOYEE WHERE first_name='David';
- ☐ SELECT first_name FROM EMPLOYEE;
- ☒ SELECT first_name WHERE first_name='David' and last_name='Smith';
- ☐ None of the above

Question 9**5 / 5 pts**

LEFT JOIN gets all records from the LEFT table but if you have selected some columns from the RIGHT table, if no matches are found, these

columns will contain NULL

☒ True

☐ False

Question 10

10 / 10 pts

Get the correct answer to the query located [here](http://classes.engr.oregonstate.edu/eecs/winter2013/cs275-400/tester/one.php?question=3) (<http://classes.engr.oregonstate.edu/eecs/winter2013/cs275-400/tester/one.php?question=3>) and enter the code word found at the bottom of the success window. <http://classes.engr.oregonstate.edu/eecs/winter2013/cs275-400/tester/one.php?question=3>

Nexus

Question 11

10 / 10 pts

Get the correct answer to the query located [here](http://classes.engr.oregonstate.edu/eecs/winter2013/cs275-400/tester/one.php?question=4) (<http://classes.engr.oregonstate.edu/eecs/winter2013/cs275-400/tester/one.php?question=4>) and enter the code word found at the bottom of the success window. <http://classes.engr.oregonstate.edu/eecs/winter2013/cs275-400/tester/one.php?question=4>

glider

Question 12

10 / 10 pts

Get the correct answer to the query located [here](http://classes.engr.oregonstate.edu/eecs/winter2013/cs275-400/tester/one.php?question=5) (<http://classes.engr.oregonstate.edu/eecs/winter2013/cs275-400/tester/one.php?question=5>) and enter the code word found at the bottom of the success window. <http://classes.engr.oregonstate.edu/eecs/winter2013/cs275-400/tester/one.php?question=5>

Quiz Score: **100** out of 100