CIS119DO- Oracle SQL Quiz #1

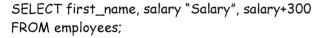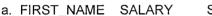*(handwritten: 20)*

1. How do you select all columns and records from the DEPARTMENTS table?
- a. SELECT all FROM departments
- b. SELECT * FROM departments ✓
- c. SELECT all columns FROM departments
- d. SELECT * FROM depart

> Each question is worth 1 pt unless noted otherwise. Total points = 20. This quiz is closed book and notes.

2. SELECT statements are used for?
- a. Changing data in a database
- b. Changing table structure.
- c. Retrieving data from a database ✓
- d. Deleting data from a database

3. What are the column headings displayed from this query:

```
SELECT first_name, salary "Salary", salary+300
FROM employees;
```

- a. FIRST_NAME   SALARY   SALARY+300
- b. FIRST_NAME   "SALARY"   SALARY+300
- c. FIRST_NAME   Salary   SALARY+300 ✓
- d. FIRST_NAME   SALARY   New Salary

4. Which command would display the <u>columns</u> and <u>data types</u> of the table ADDRESSES?

- a
```
SELECT *
FROM addresses;
```

- b ✓
```
DESC addresses;
```

- c.
```
SELECT *.*
FROM addresses;
```

- d.
```
SHOW *
FROM addresses;
```

5. What is wrong in the following SELECT statement? (Choose 2)   (2 pts)
```
SELECT last_name, job_id, salary * 12 Annual Income commission_pct
FROM    employees;
```

- a. Annual Income needs to be in quotes. ✓

- b. There is no comma after Annual Income. ✓

- c. Trying to multiply a value in a column will always return an error

- d. The word "DISTINCT" should come after the word "SELECT".

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6. Which of the following SELECT statements would return the last name and salary of employees earning more than $1,500 dollars?

    A. Select last_name, salary
       FROM employees
       IF salary >1500;

    B. Select last_name, salary
       FROM employees
       WHERE salary > 1500;

    C. SELECT last_name, salary
       FROM employees
       DISTINCT > 1500;

    D. SELECT last_name, salary
       where salary > 1500;

7. Which of the following SELECT statements would return the last name and hire date of employees that were hired in June of any year?

    A. Select last_name, hire_date
       FROM employees
       WHERE hire_date = 'JUNE';

    B. Select last_name, hire_date
       FROM employees
       WHERE hire_date LIKE '%JUN';

    C. SELECT last_name, hire_date
       FROM employees
       WHERE hire_date LIKE '%JUN%';

    D. SELECT last_name, hire_date
       FROM employees
       where hire_date IN ('JUN');

8. Which of the following SELECT statements could return the following data?

NAME	Number of Characters
King	4
Kochhar	7

A. select last_name name, length(last_name) "Number of Characters"
    from employees
    where last_name like 'K_'

B. select last_name name, length(last_name) "Number of Characters"
    from employees
    where last_name like 'K%'

C. select last_name name, size(last_name) "Number of Characters"
    from employees
    where last_name like 'K%'

D. select last_name name, size (last_name) "Number of Characters"
    from employees
    where last_name like 'K_'

When you have completed this portion of the exam, please turn this sheet in and ask your instructor for Part 2 of the quiz!

Fun fact to know and tell:

SQL stands for
Structure Query Language

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Write correct syntax SQL statements for the following (*you may use your computer for this section of the quiz*):

9. Display unique department ids from the EMPLOYEES table.   (3 pts)

DEPARTMENT_ID
10
20
50
...AND MORE

SELECT DISTINCT department-id
FROM employees;

OK

10. Display the employee id and salary for each employee in the EMPLOYEES table that works in department 50. Name the column headings **Employee ID** and **Salary**.   Sort by salary in descending order. (4 pts)

Employee ID	Salary
124	5800
141	3500
AND MORE.....	

SELECT employee-id AS "Employee ID", salary AS "salary"
FROM employees
WHERE department-id = 50
ORDER BY salary DESC

OK

11. Concatenate the first name and the last name of all employees who are Stock Clerks (job_id = ST_CLERKS) . Name the column heading "**Stock Clerks**". Sort by the last name. (4 pts)

Stock Clerks
Curtis Davies
Randall Matos
AND MORE...

SELECT first-name ||' '|| last-name AS "Stock Clerks"
FROM employees
WHERE job-id = 'ST_CLERK'
ORDER BY last-name;

OK

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