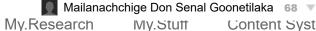


Students



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Content System

Database Design II and SQL Using Oracle DBS301SEE.09112.2191

Review Test Submission: L2

Course Documents

Review Test Submission: L2

User	Mailanachchige Don Senal Goonetilaka	
Course	Database Design II and SQL Using Oracle	
Test	L2	
Started	1/12/19 4:33 PM	
Submitted	1/17/19 1:19 PM	
Due Date	1/18/19 11:59 PM	
Status	Needs Grading	
Attempt Score	Grade not available.	
Time Elapsed	96 hours, 26 minutes	
Instructions	IMPORTANT: Must show both the SQL and the output.	
Results Displaye	ed All Answers, Correct Answers	

Question 1 Needs Grading

> Display the (1) employee_id,(2) Last name, First name (as one name with a comma between) and call the column Empoyee Name, (3) salary

Only show employees earning in the range of \$9000 to \$10,000. You cannot use >= or similar signs

Sort the output by top salaries first and then by last name.

Correct Answer:



```
EMPLOYEE ID Employee
                                               SALARY
          6 Harvey,
Henry
                                                 10000
         22 Litrand,
Jane
                                                10000
         28 Young,
                                                  10000
Malcom
          9 Gruber,
Kurt
                                                  9000
        103 Hunold, Alexander
                            9000
         19 Strandherst,
                                             9000
Sally
 6 rows selected
SELECT
employee_id,
last_name||', '||first_name AS "Employee Name",
FROM employees
WHERE salary between 9000 AND 10000
ORDER BY salary DESC, last_name; -- makes it more readable
```

Question 2 Needs Grading

- -- Modify previous query (#1) so that additional condition is to display only
- -- if they work as Programmers(IT_PROG) or Sales Representatives (SA_REP).
- -- Use same sorting as before.

Correct Answer:

This is not the same code as you will have, but similar **SELECT**

employee id AS "Emp ID", last name AS "Last Name", salary AS "Salary", job id AS "Job ID" FROM employees WHERE (salary >= 9000 AND salary <= 10000) range may vary by semester AND

(job_id LIKE 'SA_REP' OR job_ID LIKE 'IT_PROG') ORDER BY salary DESC, last name;

Question 3 Needs Grading

> -- The Human Resources department wants to find higher salaries and lower salaries than reported in the previous questions. Use columns, employee id, last name, salary and job id only. Do not give alias headings. You are modifying a previous query so that it displays the same job titles but for people who earn outside the given salary range from question. Use same sorting as before.

```
Correct
          SELECT
Answer:
           employee_id, last_name, salary
           job id AS "Job ID"
           FROM employees
           WHERE (salary < 9000 OR salary > 10000) <== outside the range
          (may be different values
                   (job id LIKE 'SA REP' OR job ID LIKE 'IT PROG')
            ORDER BY salary DESC, last name;
          EMPLOYEE ID LAST NAME
          ______
                  12 Chancevente
                                                     12000
                  174 Abel
                                                     11000
                   23 Armarillo
                                                     11000
                   21 Brigade
                                                     11000
                   30 Chan
                                                     11000
                   15 Cornel
                                                     11000
```

34 rows

Question 4 Needs Grading

1 Flertjan

DO NOT WRITE CODE LIKE THIS

SELECT last name AS "Last Name", salary AS "Salary", job id AS "Job Title", hire date as "Started" FROM employees WHERE (hire date < DATE '1998-01-01') ORDER BY hire date DESC;

11000

```
The following is better
SELECT
  last name AS "Last Name",
  salary AS "Salary",
  job_id AS "Job Title",
  hire date as "Started"
  FROM employees
  WHERE
    (hire date < DATE '1998-01-01')
  ORDER BY hire date DESC;
```

Another example is (there are no titles changed in this example

```
SELECT last_name, salary, job_id, hire_date
FROM employees
WHERE (hire_date < DATE '1998-01-01')
ORDER BY hire_date DESC;
```

Correct Answer: SELECT

last name AS "Last Name", --- column titles not needed

salary AS "Salary", job id AS "Job Title", hire date as "Started" FROM employees

WHERE

(hire_date < DATE '1998-01-01') ORDER BY hire date DESC;

Question 5 Needs Grading

> Display the job titles and full names of employees whose first name contains an 'e' or 'E' anywhere, and also contains an 'a' or a 'g'. The output should look like:

Job Title Full Name

SA_REP Miguel Sanchez

Correct Answer:



```
SELECT Job_id, First_Name || ' ' || Last_Name AS "Full
Name"
FROM employees
WHERE (First Name LIKE '%e%' OR first name LIKE
AND (First Name LIKE '%g%' OR first name LIKE '%a%');
JOB ID Full Name
AD VP
        Neena
Kochhar
IT_PROG Alexander
Hunold
MK MAN Michael
Hartstein
SA REP
       Dave
Mustaine
SA REP
         Miguel
Sanchez
SA REP
         Greg
Torson
SA REP
          Jane
Litrand
SA REP
        Francoise
LeBlanc
SA REP
         Charles Loo
Nam
SA REP Kaley
Gregson
SA REP Marthe
Whiteduck
ST CLERK Trenna
Rajs
```

Question 6 Needs Grading

12 rows selected

Do not change the column titles. Create a report to display last name, salary, and commission percent for all employees that earn a commission and employee number greater than 100.

Correct Answer:

SELECT

last name as "Last Name",

salary as "Salary",

commission pct as "Commission Percent"

FROM employees

WHERE commission pct IS NOT NULL

AND employee id > 100;

Last Name Salary Commission Percent

Zlotkey	10500	0.2
Abel	11000	0.3
Taylor	8600	0.2
Grants	7000	0.15
🄰 de Man	7000	0.15

Question 7 Needs Grading

> Do the same as previous question, but use a numeric value instead of a column name to put the report in order by salary from highest to lowest

Correct Answer: **SELECT**

last name as "Last Name",

salary as "Salary",

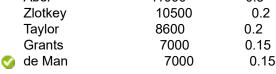
commission_pct as "Commission Percent"

FROM employees

WHERE commission_pct IS NOT NULL

AND employee id > 100 ORDER BY 2 DESC

Last Name Salary Commission Percent Abel 11000 0.3 Zlotkey 10500 0.2 Taylor 8600 0.2



Saturday, February 2, 2019 4:29:08 PM EST

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