Functions, Sub-Queries, Multiple Tables

TOTAL POINTS 5

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1. Which of the following will retrieve the LOWEST value of SALARY in a table called EMPLOYEES?

    1 point

    ○ SELECT MAX(SALARY) FROM EMPLOYEES

    ○ SELECT SALARY FROM EMPLOYEES WHERE MINIMUM(SALARY) = SALARY

    ○ SELECT LOWEST(SALARY) FROM EMPLOYER

    ⦿ SELECT MIN(SALARY) FROM EMPLOYEES

2. Assume there exists an INSTRUCTOR table with several columns including FIRSTNAME, LASTNAME, etc. Which of the following is the most likely result set for the following query:

    1 point

    SELECT DISTINCT(FIRSTNAME) FROM INSTRUCTOR

    ○ LEON

    LEON

    PAUL

    PAUL

    ○ LEON KATSNELSON

    PAUL ZIKOPOLOUS

    JOE SANTARCANGELO

    ⦿ LEON

    PAUL

    JOE

○ LEON

PAUL

LEON

JOE

3. Which of the following queries will return the first name of the employee who earns the highest salary?

     `1 point`

  ○ SELECT FIRST_NAME FROM EMPLOYEES WHERE SALARY IS HIGHEST

  ◉ SELECT FIRST_NAME FROM EMPLOYEES WHERE SALARY =

     (SELECT MAX(SALARY) FROM EMPLOYEES)

  ○ SELECT MAX(SALARY) FROM EMPLOYEES

  ○ SELECT FIRST_NAME, MAX(SALARY) FROM EMPLOYEES GROUP BY F_NAME

4. Which of the following queries will return the data for employees who belong to the department with the highest value of department ID.

     `1 point`

  ○ SELECT * FROM EMPLOYEES WHERE DEPT_ID_DEP =

     MAX (SELECT DEPT_ID_DEP FROM DEPARTMENTS)

  ◉ SELECT * FROM EMPLOYEES WHERE DEP_ID =

     (SELECT MAX(DEPT_ID_DEP) FROM DEPARTMENTS)

  ○ SELECT * FROM EMPLOYEES WHERE DEP_ID = MAX(DEP_ID)

  ○ SELECT * FROM EMPLOYEES WHERE DEP_ID =

     (SELECT DEPT_ID_DEP FROM DEPARTMENTS WHERE DEPT_ID_DEP IS MAX)

5. A DEPARTMENTS table contains DEP_NAME, and DEPT_ID_DEP columns and an EMPLOYEES table contains columns called F_NAME and DEP_ID. We want to retrieve the Department Name for each Employee. Which of the following queries will correctly

     `1 point`

accomplish this?

○ SELECT E.F_NAME, D.DEP_NAME FROM EMPLOYEES, DEPARTMENTS

⦿ SELECT F_NAME, DEP_NAME FROM EMPLOYEES, DEPARTMENTS WHERE DEPT_ID_DEP = DEP_ID

○ SELECT F_NAME, DEP_NAME FROM EMPLOYEES E, DEPARTMENTS D WHERE E.DEPT_ID_DEP = D.DEP_ID

○ SELECT D.F_NAME, E.DEP_NAME FROM EMPLOYEES E, DEPARTMENTS D WHERE DEPT_ID_DEP = DEP_ID