



## Graded Quiz: Functions, Sub-Queries, Multiple Tables

TOTAL POINTS 5

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

1 point

- ☐ SELECT LOWEST(SALARY) FROM EMPLOYER
- ☐ SELECT MAX(SALARY) FROM EMPLOYEES
- ☐ SELECT SALARY FROM EMPLOYEES WHERE MINIMUM(SALARY) = SALARY
- ☒ SELECT MIN(SALARY) FROM EMPLOYEES

2. 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 =  
( SELECT MAX(SALARY) FROM EMPLOYEES )
- ☐ SELECT FIRST\_NAME FROM EMPLOYEES WHERE SALARY IS HIGHEST
- ☐ SELECT FIRST\_NAME, MAX(SALARY) FROM EMPLOYEES GROUP BY F\_NAME
- ☐ SELECT MAX(SALARY) FROM EMPLOYEES

3. 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 DEP\_ID = MAX(DEP\_ID)
- ☒ SELECT \* FROM EMPLOYEES WHERE DEP\_ID =  
( SELECT MAX(DEPT\_ID\_DEP) FROM DEPARTMENTS )
- ☐ SELECT \* FROM EMPLOYEES WHERE DEPT\_ID\_DEP =  
MAX ( SELECT DEPT\_ID\_DEP FROM DEPARTMENTS )
- ☐ SELECT \* FROM EMPLOYEES WHERE DEP\_ID =  
( SELECT DEPT\_ID\_DEP FROM DEPARTMENTS WHERE DEPT\_ID\_DEP IS MAX )

4. 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 accomplish this?

1 point

- ☐ SELECT D.F\_NAME, E.DEP\_NAME FROM EMPLOYEES E, DEPARTMENTS D WHERE DEPT\_ID\_DEP = DEP\_ID
- ☐ SELECT E.F\_NAME, D.DEP\_NAME FROM EMPLOYEES, DEPARTMENTS
- ☐ SELECT F\_NAME, DEP\_NAME FROM EMPLOYEES E, DEPARTMENTS D WHERE E.DEPT\_ID\_DEP = D.DEP\_ID
- ☒ SELECT F\_NAME, DEP\_NAME FROM EMPLOYEES, DEPARTMENTS WHERE DEPT\_ID\_DEP = DEP\_ID

5. You are writing a query that will give you the total cost to the Pet Rescue organization of rescuing animals. The cost of each rescue is stored in the Cost column. You want the result column to be called "Total\_Cost". Which of the following SQL queries is correct?

1 point

- ☐ SELECT SUM(Cost) FROM PetRescue
- ☒ SELECT SUM(Cost) AS Total\_Cost FROM PetRescue
- ☐ SELECT SUM(Total\_Cost) From PetRescue
- ☐ SELECT Total\_Cost FROM PetRescue

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