



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

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  
PAUL  
LEON  
JOE
- ☒ LEON  
PAUL  
JOE
- ☐ LEON KATSNELSON  
PAUL ZIKOPOLOUS  
JOE SANTARCANGELO

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

1 point

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

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

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 accomplish this?

1 point

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

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