**Discussion Question: SQL**

For this module's discussion board assignment respond to **one**the following topics:

1. Provide two examples of Inner joins. For your examples, show the contents of each table, then show the results of the join. Would any other SQL statement provide the same results? If so, include it in your response.

For this week's module, we learned the difference between inner, outer, left, and right joins. The join clause allows us to combine rows from other tables when creating tables. Two examples of inner joins are included below. The WHERE clause will perform the same function as the inner join for both examples.

**EXAMPLE ONE:**

Employees Table:

| EmployeeID | Name | ProjectID |

|------------------|------------|--------------|

| 1 | Jane | 101 |

| 2 | Carrie | 102 |

| 3 | Billy | 103 |

| 4 | Carl | 101 |

Projects Table:

| ProjectID | ProjectName |

|---------------|----------------------------|

| P101 | Sidney High School |

| P102 | City of Lincoln |

| P104 | Bob’s Super Mart |

| P105 | Walmart |

SELECT Employees.Name, Projects.ProjecttName

FROM Employees

INNER JOIN Projects ON Employees.ProjectID = Projets.ProjecttID;

Result after inner join:

| Name| ProjectName |

|---------|------------------------------|

| Jane | Sidney High School |

| Carl | Bob’s Super Mart |

| Billy | City of Lincoln |

Example One Alternative:

SELECT Employees.Name, Projects.ProjectName

FROM Employees, Projects

WHERE Employees.ProjectID = Projects.ProjectID;

**EXAMPLE TWO:**

Product Table:

| ProductID | ProductName | Price |

|---------------|--------------------|---------|

| 1 | Remote | 15.99

| 2 | AA Batteries | 11.99

| 3 | Clipboard | 4.79

Orders Table:

| OrderID | ProductID | Quantity |

|------------|---------------|-------------|

| 1343 | 1 | 1 |

| 2432 | 2 | 2 |

| 3122 | 3 | 10 |

SELECT Orders.OrderID, Product.ProductName, Orders.Quantity, Product.Price

FROM Orders

INNER JOIN Product ON Orders.ProductID = Product.ProductID;

Result after inner join:

| OrderID | ProductName | Quantity | Price |

|------------|--------------------|-------------|---------|

| 1343 | Remote | 1 | 15.99

| 2432 | AA Batteries | 2 | 11.99

| 3122 | Clipboard | 10 | 4.79

Example Two Alternative:

SELECT Orders.OrderID, Products.ProductName, Orders.Quantity, Products.Price

FROM Orders, Products

WHERE Orders.ProductID = Products.ProductID;

**Reference**

Forta, B. (2018). *SQL in 10 Minutes a Day, Sams Teach Yourself*. Pearson Education (Us. https://platform.virdocs.com/read/1347763/4/#/4/2/6,/1:0,/1:0

1. Provide two examples of Outer joins. For your examples, show the contents of each table, then show the results of the join. Would any other SQL statement provide the same results? If so, include it in your response.
2. Provide two examples of Left/right joins. For your examples, show the contents of each table, then show the results of the join. Would any other SQL statement provide the same results? If so, include it in your response.

***Before you submit your thread, put your name in the subject line.***

**Assignment Requirements and Grading:**

1. An initial post is due by **Thursday, 11:59 p.m., CST**.
2. For the initial post to be considered substantive, it should fully cover the topic(s) being presented. Single-sentence definitions or responses will not be awarded points.
3. Submit your post by clicking on the **Assignment Link** above, then **Create Thread**. You must create a thread in order to view your peers' posts. Tip: Create your post in a Word document and then copy and paste your work into the thread.
4. A minimum of three (3) responses, **to the original threads of other students**,, of 100-200 words each are due by **Sunday, 11:59 p.m., CST**.
5. To view the rubric grading criteria, click on the following link: [Discussion Board Grading Rubric.](https://content.bellevue.edu/cst/csd/rubricdbv3.pdf)

**(50 points)**