Ashton Chiang

EX 3

Task 1:

Graphical user interface, text, application, email

Description automatically generated

Task 2:

Table

Description automatically generated

My table A = jaherna42.employee

My table B = jaherna42.employee\_ci

Task 3:

Graphical user interface, text, application, email

Description automatically generated

Task 4:

Table

Description automatically generated

A pattern I observed from this result set is that the count for table A becomes the same as Table B when A joins B. I can observe that if the reverse were to happen (B join A) that the count for table B will become the same as table A.

Task 5:

Graphical user interface, application, table

Description automatically generated

My table A = jaherna42.employee\_ci

My table B = jaherna42.employee

Task 6:

Graphical user interface, text, application

Description automatically generated

Task 7:

On task 3 and 6, the result set came out to be the same at 410.

Task 8:

Graphical user interface, text, application

Description automatically generated

Task 9:

Graphical user interface, text, application

Description automatically generated

My table x = jaherna42.employee

My table y = jaherna42.employee\_ci

Task 10:

Graphical user interface, text, application

Description automatically generated

Task 11:

Graphical user interface, text, application

Description automatically generated

Task 12:

The biggest difference between an inner and outer join is that inner joins result in the intersection of both tables, whereas outer joins result in the union of both tables.

Task 13:

Task 14:

Table

Description automatically generated

Task 15:

Graphical user interface, text

Description automatically generated with medium confidence

Task 16:

Graphical user interface, table

Description automatically generated

Task 17

Table

Description automatically generated with medium confidence

Task 19:

(a) The Task 8 X Inner Join Y query retrieves data for [ **configuration item** ]

in inventory that are assigned to an [ **employee** ] for use or support.

Information about configuration items in inventory is in the [ **jaherna42.employee\_ci** ]

table and information about assignment of a configuration item to an

employee is in the [ **jaherna42.employee** ] table, which is an association table.

Choose words from the list, correcting for case or tense:

ci\_inventory, configuration item, employee, employee\_ci

(b) The Task 9 X Left Outer Join Y query retrieves data for all

[ **configuration items** ] in inventory and it retrieves corresponding data about

the assignment of a configuration item to an [ **employee** ] for

use or support even if there has not been an [ **assignment**] of that

configuration item to an employee for use or support. If there has not

been an [ **assignment** ] of the configuration item to an employee for

[ **use or support** ], then the fields retrieved about assignment show

[(**null**)] as the value.

Choose words from the list, correcting for case or tense:

assignment, configuration item, employee, (null), use or support

(c) The Task 10 X Right Outer Join Y query retrieves data about all

[ **assignments**] of [ **configuration items**] to an employee for use or support. The

results are the same as those for the Task 8 X Inner Join Y query because the

field [ **ci\_inv\_id** ] in the association table [ **employee\_ci**] is required.

Choose words from the list, correcting for case or tense:

assignment, ci\_inv\_id, configuration item, employee\_ci

(d) The Task 11 X Full Join Y query retrieves data about all [ **assignments**]

of [ **configuration items** ] to an employee for use or support and it returns rows

for configuration items that have not been assigned to an [ **employee**] for

use or support as well. The results are the same those for the

Task 9 X Left Outer Join Y query because the field [ **ci\_inv\_id** ] in the

association table [ **employee\_ci**] is required and constrained by the foreign

key relationship between the two tables.

Choose words from the list, correcting for case or tense:

assignment, ci\_inv\_id, configuration item, employee, employee\_ci

(e) The Task 14 Q Inner Join R query retrieves data for [ **employees**] that

have been assigned a [ **configuration item**] from inventory for their

use on the job or because they work for IT and support it. Information about

employees is in the [ **employee**] table and information about assignment of

a configuration item to an employee is in the [ **employee\_ci** ] table, which is

an association table.

Choose words from the list, correcting for case or tense:

configuration item, employee, employee\_ci

(f) The Task 15 Q Left Outer Join R query retrieves data for all

[ employees ] and it retrieves corresponding data about the

[ assignment ] of a configuration item to an employee for use or support

even if there has not been an [ assignment ] of any configuration item to

that [ employee ] for use or support. If there has not been an

[ assignment ] of any configuration item to that employee for use or support,

then the fields retrieved about assignment show [ (null) ] as the value.

Choose words from the list, correcting for case or tense:

assignment, employee, (null)

(g) The Task 16 Q Right Outer Join R query retrieves data about all

[ assignment ] of [ configuration item ] to an employee for use or support. The

results are the same as those for the Task 14 Q Inner Join R query because the

field [emp\_id] in the association table [ employee\_ci ] is required.

Choose words from the list, correcting for case or tense:

assignment, configuration item, emp\_id,employee\_ci

(h) The Task 17 Q Full Join R query retrieves data about all [ assignment ]

of [ configuration item ] to an employee for use or support and it returns rows

for employees that have not been assigned any configuration item for

[ use or support ] as well. The results are the same as those for the

Task 15 Q Left Outer Join R query becuase the field [ emp\_id ] in the

association table [ employee\_ci ] is required and constrained by the foreign

key relationship between the two tables.

Choose words from the list, correcting for case or tense:

assignment, configuration item, emp\_id, employee\_ci, use or support\*/

Task 20:

If I want to look at all the employees that work for a company, I can run this command.

Table

Description automatically generated