



✓ **Congratulations! You passed!**

TO PASS 80% or higher

Keep Learning

Retake the assignment in 7h 59m

GRADE
100%

Module 1 Quiz

LATEST SUBMISSION GRADE

100%

1. Based on the dataset for this course, what does this query count?

1 / 1 point

▶ Run

☑ Limit 100

Format SQL

```
1 SELECT
2 COUNT(*)
3 FROM
4   dsv1069.users
5 JOIN
6   dsv1069.orders
7 ON
8   users.id = orders.user_id
```

- ☐ Counts the numbers of users
- ☐ Counts the number of invoices
- ☒ Counts the number of rows in the orders table
- ☐ Counts the number of users who have ordered an item

✓ **Correct**

All of the orders have a user_id, and every user is in the user's table, so this will return the one row for every entry in the orders table.

2. Assume you have no information about the data in the example table.

1 / 1 point

When I run the query below, no rows are returned, but there are no error messages. What are possible reasons for this? (Select all that apply.)

▶ Run

☑ Limit 100

Format SQL

View History...

```
1 SELECT *
2 FROM example_table
3 WHERE id IS NULL
```

- ☒ There are no rows in the example_table - it's empty

✓ **Correct**

- ☐ There is no column called id
- ☒ There are no rows with a null id

✓ **Correct**

3. In the events table, (dsv1069.events) for this class, how many rows exist per event_id?

1 / 1 point

- ☐ Always more than one
- ☐ Exactly one
- ☒ One per parameter_name

✓ **Correct**

Yes, you've got it!

4. When you encounter a new dataset, which of the following can you assume? (Select all that apply.)

1 / 1 point

- ☐ The table has a primary key
- ☒ The data is out-of-date

✓ Correct

Always assume with a new dataset that the data is not up-to-date.

- ☒ There are duplicate rows

✓ Correct

Always assume with a new dataset that it will have duplicate rows.

- ☒ Test usage is unfiltered

✓ Correct

Always assume with a new dataset that the test usage is unfiltered.

- ☒ The table is empty

✓ Correct

Always assume with a new dataset that the table is empty.

5. TROUBLESHOOT THIS ERROR:

1 / 1 point

Based on your exploration of the tables in the course dataset. Why are the results to this specific query empty?

```
1 SELECT
2   *
3 FROM
4   dsv1069.users
5 JOIN
6   dsv1069.events
7 ON
8   users.parent_user_id = events.user_id
9 WHERE
10  event_name = 'view_item'
11 AND
12  merged_at IS NULL
13
```

100%

No rows returned

- ☐ There are no events with this event_name
- ☒ There are no parent_user_ids that satisfy the WHERE clause
- ☐ The users table is empty

✓ Correct

You've got this!

6. TROUBLESHOOT THIS ERROR:

1 / 1 point

Why are the results for this specific query empty?

```
1 SELECT
2   *
3 FROM
4   dsv1069.events
5 WHERE
6   event_name = 'item_view'
```

100%

No rows returned

- ☐ The table is empty
- ☐ No items have ever been viewed
- ☒ There are no events with this event_name

✓ **Correct**
Keep up the good work!

7. What does this query do? Select all true statements.

1 / 1 point

```

1 SELECT
2   COUNT(*)
3 FROM
4   dsv1069.events
5 WHERE
6   event_name = 'view_item'

```

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	count
1	525572

- ☐ The query returns all of the rows in the events table.
- ☒ The query counts the number of rows corresponding to view_item events.

✓ **Correct**
Count(*) counts rows not unique events, and because of this where clause it counts the number of view_item event rows.

- ☐ The query counts the number of view_item events.
- ☐ The query counts the number of events.
- ☐ The query counts the number of rows in the events table.

8. Consider the following query:

1 / 1 point

```

1 SELECT *
2 FROM table_alpha
3 JOIN table_beta
4 ON table_alpha.key = table_beta.column

```

What happens when some rows have a NULL value in the column table_alpha.key?

- ☐ Those values aren't included in the result.
- ☐ It is not possible for a join key to be null, the query will return an error.
- ☐ Each row with a null value will be joined to every row in table_beta.
- ☒ Each row with a null value is joined to every row in table_beta where table_beta.column is null.

✓ **Correct**
Exactly right!

9. Which of the following are problems with the query below?

1 / 1 point

```

1 SELECT
2   COUNT(*)
3 FROM
4   dsv1069.users
5 JOIN
6   dsv1069.orders
7 ON
8   users.parent_user_id = orders.user_id

```

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	count
1	2604

- ☒ Count(*) counts rows not unique users
- ☐ We need a GROUP BY clause

- ☐ The join should be on users.user_id
- ☐ We are missing a comma
- ☐ There are no error messages, so it must be right
- ☐ The join should be on users.parent_user_id

✓ **Correct**

So although we received no error message, we must be sure we correctly querying for the correct results.

10. In the users table, the column parent_user_id is _____.

1 / 1 point

- ☐ Always NULL
- ☒ Sometimes NULL
- ☐ Never NULL

✓ **Correct**