

# Congratulations! You passed!

Grade received 97.72%

To pass 80% or higher

**Go to next item**

Retake the assignment in **7h 59m**

## Module 2 Quiz

Latest Submission Grade 97.72%

1. Which step should happen first in data analysis?

**1 / 1 point**

☐ Cleaning and Labeling Data

☐ Machine Learning

☒ Collecting Data

☒ **Correct**

2. TROUBLESHOOT THIS ERROR by selecting appropriate actions to remedy this specific query:

**1 / 1 point**

Kat ran 9 lines of MySQL (finished in 112ms):

1. -----

2. CREATE TABLE

3. example\_table

4. (

5. column1 DATE,

6. column2 VARCHAR(30),

7. column3 INT

8. )

9. -----

ERROR 1050 (42S01) at line 1: Table 'example\_table' already exists

Bye

mysql>

☒ Run DESCRIBE TABLE example\_table to see if the existing example\_table is structured appropriately

☐ Check the syntax, near line 6

☐ Check that the data type for column2 should actually be VARCHAR(30)

☐ There is no error here

☒ **Correct**

It is important to know how tables are structured to run the correct query script.

3. Based on the code snippet below, which statements are definitely true (select all that apply):

0.75 / 1 point

1. CREATE TABLE table\_x AS
2. SELECT
3. dates\_rollup.date,
4. COUNT(\*)
5. FROM
6. Dates\_rollup
7. JOIN
8. Table\_y
9. ON
10. dates\_rollup.date = table\_y.date
11. GROUP BY
12. date

☐ table\_x is dependent on table\_y and dates\_rollup

☒ table\_x is dependent on table\_y

☒ **Correct**

This is a true statement.

☐ table\_y is dependent on table\_x

☐ table\_y has no dependencies

You didn't select all the correct answers

4. Based on what you know about the orders table for this class, which of the following columns have a suitable datatype?

**1 / 1 point**

Query 1 **SQL** Display Table +

Run Limit 100 Format SQL View History...

```
1 DESCRIBE orders
```

Export Copy Chart Pivot

|   | Field         | Type          | Null | Key |
|---|---------------|---------------|------|-----|
| 1 | invoice_id    | int(6)        | YES  |     |
| 2 | line_item_id  | int(6)        | YES  |     |
| 3 | user_id       | int(6)        | YES  |     |
| 4 | item_id       | decimal(5,1)  | YES  |     |
| 5 | item_name     | varchar(45)   | YES  |     |
| 6 | item_category | varchar(11)   | YES  |     |
| 7 | price         | decimal(21,3) | YES  |     |
| 8 | paid_at       | varchar(26)   | YES  |     |
| 9 | created_at    | varchar(26)   | YES  |     |

*\*\*Please note, due to the limitations of the free version of Mode Analytics, you are not able to replicate this data without an Enterprise account.*

☒ Invoice\_id

☒ **Correct**

This is a suitable data type.

☒ item\_name

☒ **Correct**

This is a suitable data type.

☐ Created\_at

☒ user\_id

☒ **Correct**

This is a suitable data type.

☐ Paid\_at

5. For this class, we are using Mode on a dataset specifically created for this course. Which of these circumstances could be different in a real world situation? (Select all that apply.)

**1 / 1 point**

☒ The specific dialect of SQL

☒ **Correct**

The categories of data will be the same in any dialect, you should feel prepared to write SQL in any dialect.

☐ The categories of data types (Number, Date, String)

☒ How frequently the data is updated

☒ **Correct**

It is very difficult simulating live updated data in a course, and in the real world you will likely find updated data.

6. Based on what you know about the **items** table for this class, which of the following columns have a suitable datatype? (Select all that apply.)

1 / 1 point

Query 1 SQL Display Table +

Run Limit 100 Format SQL View History...

1 DESCRIBE items

Export Copy Chart Pivot

|   | Field      | Type          | Null |
|---|------------|---------------|------|
| 1 | adjective  | varchar(19)   | YES  |
| 2 | category   | varchar(11)   | YES  |
| 3 | created_at | varchar(26)   | YES  |
| 4 | id         | decimal(5,1)  | YES  |
| 5 | modifier   | varchar(13)   | YES  |
| 6 | name       | varchar(45)   | YES  |
| 7 | price      | decimal(21,3) | YES  |

*\*\*Please note, due to the limitations of the free version of Mode Analytics, you are not able to replicate this data without an Enterprise account.*

☒ category

☒ **Correct**

This is a suitable data type.

☐ created\_at

☒ name

☒ **Correct**

This is a suitable data type.

7. Which of the following table methods allows you to specify data types?

1 / 1 point

- ☒ 1. CREATE TABLE  
2. example\_table  
3. (column\_name1 ....)

- ☐ 1. MAKE NEW TABLE  
2. example\_table  
3. AS ...

- ☐ 1. CREATE TABLE  
2. example\_table  
3. AS ...

- ☐ 1. SELECT \*  
2. FROM  
3. example\_table  
4. AS ...

- ☒ **Correct**  
This table method allows you to specify data types.

8. When creating a user info table we used a variable in place of which column?

1 / 1 point

- ☒ The date  
☐ The user  
☐ The order id

- ☒ **Correct**  
In our table, the date was replaced by a variable.

9. Suppose in a table, you find a column called email which contains the value user@domain.com. What is the correct data type category for this column?

1 / 1 point

|     |                 |     |
|-----|-----------------|-----|
| ... | <b>email</b>    | ... |
| ... | user@domain.com | ... |
| ... | ...             | ... |

- ☐ Date
- ☐ Number
- ☒ String

✓ **Correct**

This is an example of string data.

**10.** In this module, we created a table specifically of item view events. What level of the hierarchy of data does this belong on?

**1 / 1 point**

- ☐ Collecting Data
- ☒ Explore and Transform
- ☐ Learn and Optimize

✓ **Correct**

You've got this!

**11.** Suppose in a table you find a column called event\_id, which contains the value z87df6ab4waoa756b3. What is the correct data type category for this column?

**1 / 1 point**

|     |                    |     |
|-----|--------------------|-----|
| ... | <b>event_id</b>    | ... |
| ... | z87df6ab4waoa756b3 | ... |
| ... | ...                | ... |

- ☒ String
- ☐ Number
- ☐ Date

**Correct**

This is an example of string data.