



**Congratulations! You passed!**

TO PASS 80% or higher

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GRADE

100%

## Test your knowledge on organizing data

TOTAL POINTS 3

1. Fill in the blank: A data analyst uses \_\_\_\_ to decide which data is relevant to their analysis and which data types and variables are appropriate.

1 / 1 point

- ☐ database references
- ☒ database organization
- ☐ database relationships
- ☐ database normalization

**Correct**

Database organization enables analysts to make decisions about which data is relevant to pull for a specific analysis. It also helps them decide which data types and variables are appropriate.

2. A data analyst wants to organize a database to show only the 100 most recent real estate sales in Stamford, Connecticut. How can they do that?

1 / 1 point

- ☐ The data analyst should filter out sales in Stamford, Connecticut, then sort the least recent sales at the top of their list.
- ☐ The data analyst should add a filter to return only sales in Stamford, Connecticut, then sort the least recent sales at the top of their list.
- ☐ The data analyst should filter out sales in Stamford, Connecticut, then sort the most recent sales at the top of their list.
- ☒ The data analyst should add a filter to return only sales in Stamford, Connecticut, then sort the most recent sales at the top of their list.

**Correct**

The data analyst should add a filter for only sales in Stamford, Connecticut, then sort the most recent sales at the top of their list.

3. You are working with a database table that contains customer data. The *country* column designates the country where each customer is located. You want to find out which customers are located in Brazil.

1 / 1 point

You write the SQL query below. Add a WHERE clause that will return only customers located in Brazil.

```
1 SELECT
2 *
3 FROM
4 customer
5 WHERE country="Brazil"
```

Run

Reset

customer_id	first_name	last_name	company	address	city
1	Luís	Gonçalves	Embraer - Empresa Brasileira de Aeronáutica S.A.	Av. Brigadeiro Faria Lima, 2170	São José
10	Eduardo	Martins	Woodstock Discos	Rua Dr. Falcão Filho, 155	São Paulo
11	Alexandre	Rocha	Banco do Brasil S.A.	Av. Paulista, 2022	São Paulo
12	Roberto	Almeida	Riotur	Praça Pio X, 119	Rio de Ja
13	Fernanda	Ramos	None	Qe 7 Bloco G	Brasília

How many customers are located in Brazil?

- ☐ 3
- ☐ 7
- ☒ 5
- ☐ 9

**Correct**

The clause **WHERE country = "Brazil"** will return only customers located in Brazil. The complete query is **SELECT \* FROM customer WHERE country = "Brazil"**. The WHERE clause filters results that meet certain conditions. The WHERE clause includes the name of the column, an equals sign, and the value(s) in the column to include.

There are 5 customers located in Brazil.

