

Modifying and Analyzing Data with SQL

Review and Practice

Quiz: Module 4 Quiz
10 questions

Quiz: Module 4 Coding Questions
6 questions

Peer Review Assignment

Course Summary

Module 4 Coding Questions

1. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](#) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

Review Learning Objectives

Pull a list of customer ids with the customer's full name, and address, along with combining their city and country together. Be sure to make a space in between these two and make it UPPER CASE. (e.g. LOS ANGELES USA)

```
1 SELECT CustomerId, FirstName || " " || LastName AS FullName, Address,
2 FROM Customers;
3
```

Run

Reset

1 / 1 point

Try again

What is the city and state for CustomerID 16?

To Pass 70% or higher

MOUNTAIN VIEW USA

Your grade

97.22%

View Feedback

We keep your highest score

Correct Like Dislike Report an issue

2. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](#) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

Create a new employee user id by combining the first 4 letters of the employee's first name with the first 2 letters of the employee's last name. Make the new field lower case and pull each individual step to show your work.

```
1 SELECT FirstName,
2 LastName,
3 LOWER(SUBSTR(FirstName,1,4)) AS A,
4 LOWER(SUBSTR(LastName,1,2)) AS B,
5 LOWER(SUBSTR(FirstName,1,4)) || LOWER(SUBSTR(LastName,1,2)) AS userId
6 FROM Employees;
```

Run

Reset

1 / 1 point

What is the final result for Robert King?

robeki

Correct

3. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](#) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

Show a list of employees who have worked for the company for 15 or more years using the current date function. Sort by lastname ascending.

```
1 SELECT FirstName,
2 LastName,
3 HireDate,
4 (STRFTIME('%Y', 'now') - STRFTIME('%Y', HireDate))
5 - (STRFTIME('%m-%d', 'now') < STRFTIME('%m-%d', HireDate)) AS YearsWorked
6 FROM Employees
7 WHERE YearsWorked >= 15
8 ORDER BY LastName ASC;
```

Run

Reset

1 / 1 point

What is the lastname of the last person on the list returned?

Peacock

Correct

4. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](#) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

Profiling the Customers table, answer the following question.

```
1 SELECT COUNT(*) AS Null_postal_code
2 FROM Customers
3 WHERE PostalCode IS NULL;
4
5 -- SELECT COUNT(*) AS Null_fax
6 -- FROM Customers
7 -- WHERE Fax IS NULL;
8
9 -- SELECT COUNT(*) AS Phone
10 -- FROM Customers
11 -- WHERE Phone IS NULL;
12
13 -- SELECT COUNT(*) AS FirstName
14 -- FROM Customers
15 -- WHERE FirstName IS NULL;
16
17 -- SELECT COUNT(*) AS Company
18 -- FROM Customers
19 -- WHERE Company IS NULL;
20
21 -- SELECT COUNT(*) AS Address
22 -- FROM Customers
23 -- WHERE Address IS NULL;
24
25 -- SELECT * FROM Customers;
```

Run

Reset

1 / 1 point

Are there any columns with null values? Indicate any below. Select all that apply.

☒ Fax

Correct

☒ Postal Code

Correct

☐ Address

☒ Phone

Correct

☐ FirstName

☒ Company

Correct

5. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](#) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

Find the cities with the most customers and rank in descending order.

```
1 SELECT City,
2 COUNT(*)
3 FROM Customers
4 GROUP BY City
5 ORDER BY COUNT(*) DESC;
```

Run

Reset

1 / 1 point

Which of the following cities indicate having 2 customers?

☒ São Paulo

Correct

☒ London

Correct

☐ Budapest

☐ Frankfurt

☒ Mountain View

Correct

☐ Dublin

6. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](#) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

Create a new customer invoice id by combining a customer's invoice id with their first and last name while ordering your query in the following order: firstname, lastname, and invoiceID.

```
1 SELECT C.FirstName,
2 C.LastName,
3 I.InvoiceId,
4 C.FirstName || C.LastName || I.InvoiceID AS NewId
5 FROM Customers C INNER JOIN Invoices I
6 ON C.CustomerId = I.CustomerID
7 WHERE NewId LIKE 'AstridGruber%';
```

Run

Reset

Select all of the correct "AstridGruber" entries that are returned in your results below. Select all that apply.

☒ AstridGruber273

Correct

☒ AstridGruber296