## Module 4 Coding Questions

**Submit your assignment**

Question 1

All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](https://ucde-rey.s3.amazonaws.com/DSV1015/ChinookDatabaseSchema.png) in order to familiarize yourself with the table and column names in order to write accurate queries and get the appropriate answers.

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.



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SELECT CustomerId,

FirstName || " " || LastName AS FullName,

Address,

UPPER(City || " " || Country) AS CityCountry

FROM Customers

RunReset

What is the city and country result for CustomerID 16?

MOUNTAIN VIEW USA

**Correct**

**1 / 1 point**

2.Question 2

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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.



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SELECT FirstName,

LastName,

LOWER(SUBSTR(FirstName,1,4)) AS A,

LOWER(SUBSTR(LastName,1,2)) AS B,

LOWER(SUBSTR(FirstName,1,4)) || LOWER(SUBSTR(LastName,1,2)) AS userId

FROM Employees

RunReset

What is the final result for Robert King?

robeki

**Correct**

**1 / 1 point**

3.Question 3

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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.



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SELECT FirstName,

LastName,

HireDate,

(STRFTIME('%Y', 'now') - STRFTIME('%Y', HireDate))

- (STRFTIME('%m-%d', 'now') < STRFTIME('%m-%d', HireDate))

AS YearsWorked

FROM Employees

WHERE YearsWorked >= 15

ORDER BY LastName ASC

RunReset

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

Peacock

**Correct**

**1 / 1 point**

4.Question 4

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Profiling the Customers table, answer the following question.



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SELECT COUNT(\*)

FROM Customers

WHERE [some\_column] IS NULL

RunReset

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



Address



Fax

**Correct**



FirstName



Postal Code

**Correct**



Phone

**Correct**



Company

**Correct**

**1 / 1 point**

5.Question 5

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



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SELECT City,

COUNT(\*)

FROM Customers

GROUP BY City

ORDER BY COUNT(\*) DESC

RunReset

Which of the following cities indicate having 2 customers?



Dublin



São Paulo

**Correct**



London

**Correct**



Frankfurt



Budapest



Mountain View

**Correct**

**1 / 1 point**

6.Question 6

All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the [ER diagram](https://ucde-rey.s3.amazonaws.com/DSV1015/ChinookDatabaseSchema.png) 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.



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SELECT C.FirstName,

C.LastName,

I.InvoiceId,

C.FirstName || C.LastName || I.InvoiceID AS NewId

FROM Customers C INNER JOIN Invoices I

ON C.CustomerId = I.CustomerID

WHERE NewId LIKE 'AstridGruber%'

RunReset

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



AstridGruber273

**Correct**



AstridGruber296

**Correct**



AstridGruber354



AstridGruber370

**Correct**



AstridGruber408



AstridGruber456