**Module 3 Coding Assignment**

1.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.

Using a subquery, find the **name**s of all the **tracks** for the album "Californication".



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SELECT Name,

AlbumID

FROM Tracks

WHERE AlbumId IN (SELECT AlbumId

FROM Albums

WHERE Title = "Californication");

RunReset

What is the title of the 8th track?

Porcelain

**Correct**

**1 / 1 point**

2.Question 2

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Find the total number of invoices for each customer along with the customer's full name, city and email.



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SELECT FirstName,

LastName,

City,

Email,

COUNT(I.CustomerId) AS Invoices

FROM Customers C INNER JOIN Invoices I

ON C.CustomerId = I.CustomerId

GROUP BY C.CustomerId

RunReset

**After running the query described above**, what is the email address of the 5th person, František Wichterlová? Enter the answer below (feel free to copy and paste).

frantisekw@jetbrains.com

**Correct**

**1 / 1 point**

3.Question 3

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Retrieve the track name, album, artistID, and trackID for all the albums.



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SELECT Tracks.Name,

A.Name AS Artist,

Albums.Title AS Album,

Tracks.TrackId

FROM ((Tracks INNER JOIN Albums

ON Tracks.AlbumId = Albums.AlbumId)

INNER JOIN Artists A

ON A.ArtistId = Albums.ArtistId);

RunReset

What is the song title of trackID 12 from the "For Those About to Rock We Salute You" album? Enter the answer below.

Breaking The Rules

**Correct**

**1 / 1 point**

4.Question 4

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Retrieve a list with the managers last name, and the last name of the employees who report to him or her.



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SELECT M.LastName AS Manager,

E.LastName AS Employee

FROM Employees E INNER JOIN Employees M

ON E.ReportsTo = M.EmployeeID

RunReset

**After running the query described above**, who are the reports for the manager named Mitchell (select all that apply)?



King

**Correct**



Callahan

**Correct**



Edwards



Park



Johnson

**1 / 1 point**

5.Question 5

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.

Find the name and ID of the artists who do not have albums.



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SELECT Name AS Artist,

Artists.ArtistId,

Albums.Title AS Album

FROM Artists

LEFT JOIN Albums

ON Artists.ArtistId = Albums.ArtistId

WHERE Album IS NULL

RunReset

**After running the query described above**, two of the records returned have the same last name. Enter that name below.

João Gilberto and Bebel Gilberto

**Incorrect**

**0 / 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.

Use a UNION to create a list of all the employee's and customer's first names and last names ordered by the last name in descending order.



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SELECT FirstName,

LastName

FROM Employees

UNION

SELECT FirstName,

LastName

FROM Customers

ORDER BY LastName DESC

RunReset

**After running the query described above**, determine what is the last name of the 6th record? Enter it below. Remember to order things in descending order to be sure to get the correct answer.

Taylor

**Correct**

**1 / 1 point**

7.Question 7

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See if there are any customers who have a different city listed in their billing city versus their customer city.



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SELECT C.FirstName,

C.LastName,

C.City AS CustomerCity,

I.BillingCity

FROM Customers C

INNER JOIN Invoices I

ON C.CustomerId = I.CustomerId

WHERE CustomerCity != BillingCity

RunReset

Indicate your answer below.



No customers have a different city listed in their billing city versus customer city.



3 customers have a different city listed in their billing city versus customer city.



8 customers have a different city listed in their billing city versus customer city.



17 customers have a different city listed in their billing city versus customer city.

**Correct**