

✓ **Congratulations! You passed!**  
TO PASS 70% or higher

Keep Learning

GRADE  
100%

## Module 3 Coding Assignment

LATEST SUBMISSION GRADE

100%

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.

1 / 1 point

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

```
1 SELECT Name, AlbumId
2 FROM Tracks
3 WHERE AlbumId IN
4 (SELECT AlbumId FROM Albums WHERE Title = "Californication");
```

Run  
Reset

Name	AlbumId
Around The World	195
Parallel Universe	195
Scar Tissue	195
Otherside	195
Get On Top	195
Californication	195
Easily	195
Porcelain	195
Emit Remmus	195
I Like Dirt	195

(Output limit exceeded, 10 of 15 total rows shown)

What is the title of the 8th track?

Porcelain

✓ Correct

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.

1 / 1 point

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

```
1 SELECT FirstName,
2       LastName,
3       City,
4       Email,
5       COUNT(I.CustomerId) AS Invoices
6 FROM Customers C
7 INNER JOIN
8 Invoices I
9 ON C.CustomerId = I.CustomerId
10 GROUP BY C.CustomerId
```

Run  
Reset

FirstName	LastName	City	Email	Invoices
Luís	Gonçalves	São José dos Campos	luig@embraer.com.br	7
Leonie	Köhler	Stuttgart	leonekohler@surfeu.de	7
François	Tremblay	Montréal	ftremblay@gmail.com	7
Björn	Hansen	Oslo	bjorn.hansen@yahoo.no	7
František	Wichterlová	Prague	frantisekw@jetbrains.com	7
Helena	Holý	Prague	hholy@gmail.com	7
Astrid	Gruber	Vienne	astrid.gruber@apple.at	7
Daan	Peeters	Brussels	daan_peeters@apple.be	7
Kara	Nielsen	Copenhagen	kara.nielsen@jubii.dk	7
Eduardo	Martins	São Paulo	eduardo@woodstock.com.br	7

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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

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.

1 / 1 point

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

```
1 SELECT Tracks.Name,
2       A.Name AS Artist,
3       Albums.Title AS Album,
4       Tracks.TrackId
5 FROM ((Tracks INNER JOIN Albums
6 ON Tracks.AlbumId = Albums.AlbumId)
7 INNER JOIN Artists A
8 ON A.ArtistId = Albums.ArtistId);
```

Run  
Reset

Name	Artist	Album	TrackId
For Those About To Rock (We Salute You)	AC/DC	For Those About To Rock We Salute You	1
Put The Finger On You	AC/DC	For Those About To Rock We Salute You	6
Let's Get It Up	AC/DC	For Those About To Rock We Salute You	7
Inject The Venom	AC/DC	For Those About To Rock We Salute You	8
Snowballed	AC/DC	For Those About To Rock We Salute You	9
Evil Walks	AC/DC	For Those About To Rock We Salute You	10
C.O.D.	AC/DC	For Those About To Rock We Salute You	11
Breaking The Rules	AC/DC	For Those About To Rock We Salute You	12
Night Of The Long Knives	AC/DC	For Those About To Rock We Salute You	13
Spellbound	AC/DC	For Those About To Rock We Salute You	14

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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

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.

1 / 1 point

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

```
1 SELECT M.LastName AS Manager,
2       E.LastName AS Employee
3 FROM Employees E INNER JOIN Employees M
4 ON M.EmployeeID = E.ReportsTo;
```

Run  
Reset

Manager	Employee
Adams	Edwards
Edwards	Peacock
Edwards	Park
Edwards	Johnson
Adams	Mitchell
Mitchell	King
Mitchell	Callahan

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

☐ Edwards

☒ Callahan

✓ Correct

☐ Park

☒ King

✓ Correct

☐ Johnson

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.

1 / 1 point

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

```
1 SELECT Name AS Artist,
2       Artists.ArtistId,
3       Albums.Title AS Album
4 FROM Artists
5 LEFT JOIN Albums
6 ON Artists.ArtistId = Albums.ArtistId
7 WHERE Album IS NULL
```

Run

Reset

Artist	ArtistId	Album
Milton Nascimento & Bebeto	25	None
Azymuth	26	None
João Gilberto	28	None
Bebel Gilberto	29	None
Jorge Vercilo	30	None
Baby Consuelo	31	None
Ney Matogrosso	32	None
Luiz Melodia	33	None
Nando Reis	34	None
Pedro Luís & A Parada	35	None

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

Gilberto

✓ Correct

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.

1 / 1 point

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.

```
1 SELECT FirstName,
2       LastName
3 FROM Employees
4 UNION
5 SELECT FirstName,
6       LastName
7 FROM Customers
8 ORDER BY LastName DESC
```

Run

Reset

FirstName	LastName
Fynn	Zimmermann
Stanisław	Wójcik
František	Wichterlová
Johannes	Van der Berg
François	Tremblay
Mark	Taylor
Ellie	Sullivan
Victor	Stevens
Puja	Srivastava
Jack	Smith

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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

7. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with

1 / 1 point

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.

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

<pre>1 SELECT C.FirstName, 2       C.LastName, 3       C.City AS CustomerCity, 4       I.BillingCity 5 FROM 6 Customers C INNER JOIN Invoices I 7 8 ON C.CustomerId = I.CustomerId 9 10 WHERE CustomerCity != BillingCity</pre>	<div>Run</div> <div>Reset</div>
<pre>+-----+-----+-----+-----+   FirstName   LastName   CustomerCity   BillingCity   +-----+-----+-----+-----+ (Zero rows)</pre>	

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