

# 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 tracks.name
2 from albums, tracks
3 where tracks.albumid in (select albums.albumid from albums where title =
    'Californication')
```

Run  
Reset

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

(Output limit exceeded, 10 of 5205 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 customers.customerid, firstname, lastname, city, email, count(invoiceid)
   as total
2 from customers, invoices
3 group by customers.customerid
```

Run  
Reset

CustomerId	FirstName	LastName	City	Email	total
1	Luís	Gonçalves	São José dos Campos	luisg@embraer.com.br	412
2	Leonie	Köhler	Stuttgart	leonekohler@surfeu.de	412
3	François	Tremblay	Montréal	ftremblay@gmail.com	412
4	Bjørn	Hansen	Oslo	bjorn.hansen@yahoo.no	412
5	František	Wichterlová	Prague	frantisekw@jetbrains.com	412
6	Helena	Holý	Prague	hholy@gmail.com	412
7	Astrid	Gruber	Vienne	astrid.gruber@apple.at	412
8	Daan	Peeters	Brussels	daan_peeters@apple.be	412
9	Kara	Nielsen	Copenhagen	kara.nielsen@jubii.dk	412
10	Eduardo	Martins	São Paulo	eduardo@woodstock.com.br	412

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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, albums.title, artists.artistid, tracks.trackid
2
3 from albums, tracks,artists
4 where title = 'For Those About To Rock We Salute You'
5 and albums.albumid = tracks.albumid
6

```

Run

Reset

Name	Title	ArtistId	TrackId
For Those About To Rock (We Salute You)	For Those About To Rock We Salute You	1	1
Put The Finger On You	For Those About To Rock We Salute You	1	6
Let's Get It Up	For Those About To Rock We Salute You	1	7
Inject The Venom	For Those About To Rock We Salute You	1	8
Snowballed	For Those About To Rock We Salute You	1	9
Evil Walks	For Those About To Rock We Salute You	1	10
C.O.D.	For Those About To Rock We Salute You	1	11
Breaking The Rules	For Those About To Rock We Salute You	1	12
Night Of The Long Knives	For Those About To Rock We Salute You	1	13
Spellbound	For Those About To Rock We Salute You	1	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 *
2 from employees
3 where reportsto in (select employeeid from employees where lastname = 'Mitchell'
4 )
```

Run

Reset

EmployeeId	LastName	FirstName	Title	ReportsTo	BirthDate	HireDate
7	King	Robert	IT Staff	6	1970-05-29 00:00:00	2004-01-02 00:00:00
8	Callahan	Laura	IT Staff	6	1968-01-09 00:00:00	2004-03-04 00:00:00

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

☐ Park

☐ Edwards

☒ Callahan

✓ Correct

☐ Johnson

☒ King

✓ 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. **1 / 1 point**

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

```
1 select artists.name, artists.artistid, title
2 from artists
3 left join albums
4 on albums.artistid = artists.artistid
5 where albums.artistid is null
```

[Run](#)
[Reset](#)

Name	ArtistId	Title
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 Parede	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, lastname
2 from employees
3 union
4 select firstname, lastname
5 from customers
6 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 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**

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

```

1 select Customers.customerID
2 from Customers, invoices
3 where Customers.customerID = invoices.customerid
4 and customers.city != invoices.billingcity

```

Run

Reset

```

+-----+-----+-----+-----+
| FirstName | LastName | CustomerCity | BillingCity |
+-----+-----+-----+-----+
(Zero rows)

```

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