



✓ Congratulations! You passed!

TO PASS 70% or higher

Keep Learning

GRADE
100%

Module 4 Coding Questions

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

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,
2     FirstName || " " || LastName AS FullName,
3     Address,
4     UPPER(City || " " || Country) AS CityCountry
5 FROM Customers;
```

Run

Reset

CustomerId	FullName	Address	CityCountry
1	Luis Gonçalves	Av. Brigadeiro Faria Lima, 2170	SÃO JOSÉ DOS CAMPOS BRAZIL
2	Leonie Köhler	Theodor-Heuss-Straße 34	STUTTGART GERMANY
3	François Tremblay	1498 rue Bélanger	MONTRÉAL CANADA
4	Bjørn Hansen	Ullevålsveien 14	OSLO NORWAY
5	František Wichterlová	Klanova 9/506	PRAGUE CZECH REPUBLIC
6	Helena Holý	Rilská 3174/6	PRAGUE CZECH REPUBLIC
7	Astrid Gruber	Rotenturmstraße 4, 1010 Innere Stadt	VIENNE AUSTRIA
8	Daan Peeters	Grétrystraat 63	BRUSSELS BELGIUM
9	Kara Nielsen	Sønder Boulevard 51	COPENHAGEN DENMARK
10	Eduardo Martins	Rua Dr. Falcão Filho, 155	SÃO PAULO BRAZIL
11	Alexandre Rocha	Av. Paulista, 2022	SÃO PAULO BRAZIL
12	Roberto Almeida	Praça Pio X, 119	RIO DE JANEIRO BRAZIL
13	Fernanda Ramos	Qe 7 Bloco G	BRASÍLIA BRAZIL
14	Mark Philips	8210 111 ST NW	EDMONTON CANADA
15	Jennifer Peterson	700 W Pender Street	VANCOUVER CANADA
16	Frank Harris	1600 Amphitheatre Parkway	MOUNTAIN VIEW USA
17	Jack Smith	1 Microsoft Way	REDMOND USA
18	Michelle Brooks	627 Broadway	NEW YORK USA
19	Tim Goyer	1 Infinite Loop	CUPERTINO USA
20	Dan Miller	541 Del Medio Avenue	MOUNTAIN VIEW USA
21	Kathy Chase	801 W 4th Street	RENO USA
22	Heather Leacock	120 S Orange Ave	ORLANDO USA
23	John Gordon	69 Salem Street	BOSTON USA
24	Frank Ralston	162 E Superior Street	CHICAGO USA
25	Victor Stevens	319 N. Frances Street	MADISON USA

(Output limit exceeded, 25 of 59 total rows shown)

What is the city and country result for CustomerID 16?

MOUNTAIN VIEW USA

✓ 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

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

FirstName	LastName	A	B	userId
Andrew	Adams	andr	ad	andrad
Nancy	Edwards	nanc	ed	nanced
Jane	Peacock	jane	pe	janepe
Margaret	Park	marg	pa	margpa
Steve	Johnson	stev	jo	stevjo
Michael	Mitchell	mich	mi	michmi
Robert	King	robe	ki	robeki
Laura	Callahan	laur	ca	laurca

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.

1 / 1 point

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))
6     AS YearsWorked
7 FROM Employees
8 WHERE YearsWorked >= 15
9 ORDER BY LastName ASC;
```

Run

Reset

FirstName	LastName	HireDate	YearsWorked
Andrew	Adams	2002-08-14 00:00:00	18
Laura	Callahan	2004-03-04 00:00:00	17
Nancy	Edwards	2002-05-01 00:00:00	18
Steve	Johnson	2003-10-17 00:00:00	17
Robert	King	2004-01-02 00:00:00	17
Michael	Mitchell	2003-10-17 00:00:00	17
Margaret	Park	2003-05-03 00:00:00	17
Jane	Peacock	2002-04-01 00:00:00	19

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.

1 / 1 point

Profiling the Customers table, answer the following question.

```
1 SELECT *
2 FROM Customers
3 WHERE Phone IS NULL;
```

Run

Reset

CustomerId	FirstName	LastName	Company	Address	City	State	Country	PostalCode	Phone	Fax	Email
45	Ladislav	Kovács	None	Erzsébet krt. 58.	Budapest	None	Hungary	H-1073	None	None	ladislav_k

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

☒ Phone

✓ Correct

☐ Address

☒ Fax

✓ Correct

☐ FirstName

☒ Postal Code

✓ Correct

☒ 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.

1 / 1 point

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

City	COUNT(*)
Berlin	2
London	2
Mountain View	2
Paris	2
Prague	2
São Paulo	2
Amsterdam	1
Bangalore	1
Bordeaux	1
Boston	1
Brasilia	1
Brussels	1
Budapest	1
Buenos Aires	1
Chicago	1
Copenhagen	1
Cupertino	1
Delhi	1
Dijon	1
Dublin	1
Edinburgh	1
Edmonton	1
Fort Worth	1
Frankfurt	1
Halifax	1

(Output limit exceeded, 25 of 53 total rows shown)

Which of the following cities indicate having 2 customers?

☐ Budapest

☒ London

✓ Correct

☐ Dublin

☐ Frankfurt

☒ São Paulo

✓ Correct

☒ Mountain View

✓ 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

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

FirstName	LastName	InvoiceId	NewId
Astrid	Gruber	78	AstridGruber78
Astrid	Gruber	89	AstridGruber89
Astrid	Gruber	144	AstridGruber144
Astrid	Gruber	273	AstridGruber273
Astrid	Gruber	296	AstridGruber296
Astrid	Gruber	318	AstridGruber318
Astrid	Gruber	378	AstridGruber378

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