

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

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GRADE
97.22%

Module 4 Coding Questions

LATEST SUBMISSION GRADE

97.22%

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.

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

Run
Reset

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	Cellahan	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))
```

Run

6	AS YearsWorked	Run
7	FROM Employees	Reset
8	WHERE YearsWorked >= 15	
9	ORDER BY LastName ASC	

FirstName	LastName	HireDate	YearsWorked
Andrew	Adams	2002-08-14 00:00:00	17
Laura	Callahan	2004-03-04 00:00:00	16
Nancy	Edwards	2002-05-01 00:00:00	17
Steve	Johnson	2003-10-17 00:00:00	16
Robert	King	2004-01-02 00:00:00	16
Michael	Mitchell	2003-10-17 00:00:00	16
Margaret	Park	2003-05-03 00:00:00	16
Jane	Peacock	2002-04-01 00:00:00	17

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 COUNT(*)	Run
2	FROM Customers	Reset
3	WHERE [Fax] IS NULL	

COUNT(*)
47

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

☐ Address

☒ Company

✓ Correct

☒ Postal Code

✓ Correct

☐ FirstName

☒ Phone

✓ Correct

☒ Fax

✓ 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,	Run
2	COUNT(*)	Reset
3	FROM Customers	
4	GROUP BY city	
5	ORDER BY COUNT(*) DESC	

City	COUNT(*)
Berlin	2
London	2
Mountain View	2
Paris	2
Prague	2
São Paulo	2
Amsterdam	1
Bangalore	1
Bordeaux	1
Boston	1
Brasília	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?

☒ São Paulo

✓ Correct

☒ London

✓ Correct

☒ Mountain View

✓ Correct

☐ Budapest

☐ Dublin

☐ Frankfurt

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.

0.833 / 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	370	AstridGruber370

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

☐ AstridGruber273

☒ AstridGruber296

✓ Correct

☐ AstridGruber354

☒ AstridGruber370

✓ Correct

☐ AstridGruber408

☐ AstridGruber456

You didn't select all the correct answers