

Keep Learning

grade 97.22%

Module 4 Coding Questions

LATEST SUBMISSION GRADE 97.22%

 All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the <u>ER diagram</u> 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
FROM Customers

Reset
```

What is the city and country result for CustomerID 16?

```
MOUNTAIN VIEW USA

✓ Correct
```

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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.

```
FLTSTWAME,
LASTNAME,
LOWER(SUBSTR(FirstName,1,4)) AS A,
LOWER(SUBSTR(LastName,1,2)) AS B,
LOWER(SUBSTR(FirstName,1,4)) || LOWER(SUBSTR(LastName,1,2)) AS userId
                                                                                                                                          Run
                                                                                                                                          Reset
6 FROM Employees
  | FirstName | LastName | A | B | userId |
     Andrew
                                  andr ad andrad
     Nancy
                      Edwards | nanc | ed | nanced
Peacock | jane | pe | janepe
     Jane
                      Park | marg | pa | margpa
Johnson | stev | jo | stevjo
Mitchell | mich | mi | michmi
     Margaret
     Steve
     Michael
     Robert
                      King
                                      robe | ki | robeki
                      Callahan | laur | ca | laurca
```

What is the final result for Robert King?

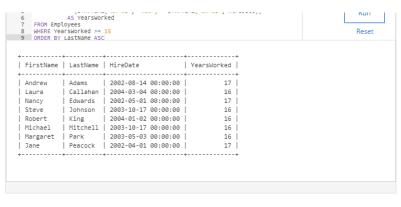
```
robeki

✓ Correct
```

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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 Hirebate,
4 (STRFIIME('%Y', 'now') - STRFIIME('%Y', Hirebate))
5 - (STRFIIMF('%N-%d' 'now') < STRFIIME('%N-%d' Hirebate))
```

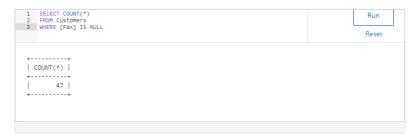


What is the lastname of the last person on the list returned?



4. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the <u>ER diagram</u> 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.



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

Address

Company



Postal Code



✓ Phone



✓ Fax



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Find the cities with the most customers and rank in descending order.

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

| City COUNT(*) Rerlin London Mountain View Paris Prague São Paulo Bangalore Bordeaux Boston Brasília Brussels Budapest Buenos Aires Chicago Copenhagen Cupertino Delhi Dijon Dublin Edinburgh Edmonton Fort Worth Halifax (Output limit exceeded, 25 of 53 total rows shown)

Which of the following cities indicate having 2 customers?

São Paulo



✓ London



Mountain View



Budapest

Dublin

Frankfurt

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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 FROW Customers C INNEW JOIN Invoices I
6 ON C.CustomerId = I.CustomerID
7 WHERE NewId LIKE 'AstridCruber%'
                                                                                                                                                           Run
                                                                                                                                                          Reset
   +-----
  | FirstName | LastName | InvoiceId | NewId
                                                      78 | AstridGruber78
     Astrid
                         Gruber
                                          89 | AstridGruber89
144 | AstridGruber144
273 | AstridGruber273
296 | AstridGruber296
318 | AstridGruber318
370 | AstridGruber370
     Astrid
Astrid
                         Gruber
                         Gruber
     Astrid
                         Gruber
     Astrid
                      Gruber
     Astrid
     Astrid
                      Gruber
```

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

AstridGruber273

✓ AstridGruber296

0.833 / 1 point

✓ Correct		
AstridGruber354		
AstridGruber370		
✓ Correct		
AstridGruber408		
AstridGruber456		
You didn't select all the correct answers		