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

Keep Learning

GRADE
94.44%

Module 4 Coding Questions

LATEST SUBMISSION GRADE

94.44%

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

```
------+--------------------+-----------------------------------+----------------------------+
omerId | FullName          | Address                           | CityCountry                |
------+--------------------+-----------------------------------+----------------------------+
     1 | Luís 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                |
------+--------------------+-----------------------------------+----------------------------+
: 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.
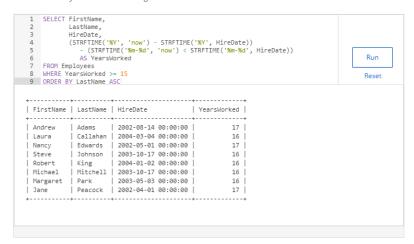
```
1  SELECT FirstName,
2      LastName,
3      LOWER(SUBSTR(FirstName,1,4)) AS A,
4      LOWER(SUBSTR(LastName,1,2)) AS B,
5      LOWER(SUBSTR(FirstName,1,4)) || LOWER(SUBSTR(LastName,1,2)) AS userId
6  FROM Employees
```

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 |
```

```
| 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.

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 |         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.

Profiling the Customers table, answer the following question.

```
1   SELECT COUNT(*)
2   FROM Customers
3   WHERE [some_column]=NULL
4
```

Run

Reset

no such column: some_column

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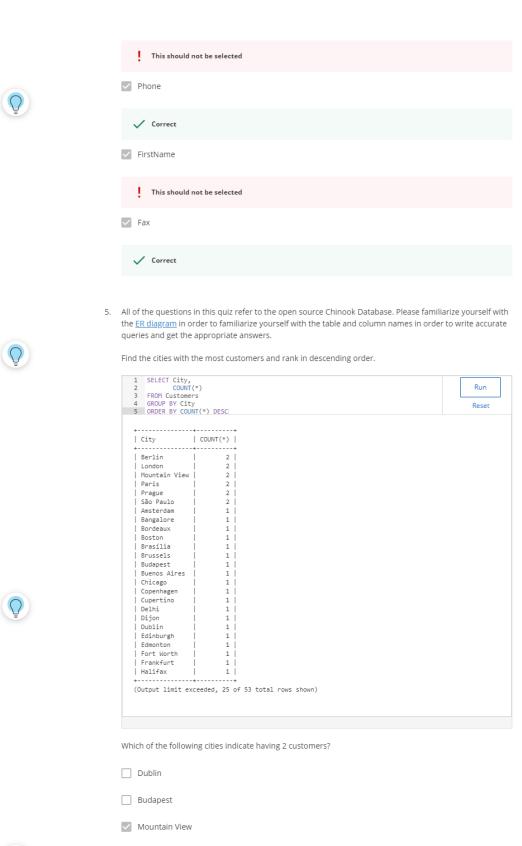
☑ Postal Code

✓ Correct

☑ Company

✓ Correct

☑ Address

!	This should not be selected

☑ Phone

✓	Correct

☑ FirstName

!	This should not be selected

☑ 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.

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 |
| 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?

☐ Dublin

☐ Budapest

☑ Mountain View

✓	Correct

☑ São Paulo

✓	Correct

☑ London

✓	Correct

☐

☐ 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.

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   |       370 | AstridGruber370|
+-----------+----------+-----------+----------------+
```

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