

# 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.

```
1 select customerid, firstname, lastname, address, upper( city || ' ' ||country
2   )
3 from customers
```

Run

Reset

CustomerId	FirstName	LastName	Address	upper( city    ' '   country
1	Luís	Gonçalves	Av. Brigadeiro Faria Lima, 2170	SÃO JOSÉ DOS CAMPOS BRAZ
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, lastname, lower( substr(firstname,1,4) || substr(lastname,1,2)
   ) as newuser
2  from employees
3  where firstname= 'Robert' and lastname = 'King'
4
```

Run

Reset

FirstName	LastName	newuser
Robert	King	robeki

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 lastname, HireDate, (julianday('now')-julianday(hiredate))/365 as YoS
2  from employees
3  where YoS>15
4  order by lastname asc
```

Run

Reset

LastName	HireDate	YoS
Adams	2002-08-14 00:00:00	17.8518243334
Callahan	2004-03-04 00:00:00	16.2956599498
Edwards	2002-05-01 00:00:00	18.1394955662
Johnson	2003-10-17 00:00:00	16.6764818676
King	2004-01-02 00:00:00	16.4655229635
Mitchell	2003-10-17 00:00:00	16.6764818676
Park	2003-05-03 00:00:00	17.1340161142
Peacock	2002-04-01 00:00:00	18.2216873471

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 address is null
```

Run

Reset

CustomerId	FirstName	LastName	Company	Address	City	State	Country	PostalCode	Phone
(Zero rows)									

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

☒ Postal Code

✓ **Correct**

☐ Address

☐ FirstName

☒ Fax

✓ **Correct**

☒ Phone

✓ **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, count(customerid) as CNum
2 from customers
3 group by city
4 order by CNum desc
```

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

Which of the following cities indicate having 2 customers?

☐ Budapest☐ Dublin☐ Frankfurt☒ London **Correct**☒ 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 firstname, lastname, invoiceID, (firstname || lastname || invoiceID) as  
   newID  
2  
3 from customers, invoices  
4 where newID like 'AstridGruber%' and  
5 customers.customerid = invoices.customerid
```

[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