Module 2 Coding Assignment

TOTAL POINTS 9

1. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers. 1 point

   Run Query: Find all the tracks that have a length of 5,000,000 milliseconds or more.

```
1  select milliseconds
2  from Tracks
3  where milliseconds > 5000000
```

Run

Reset

```
+--------------+
| Milliseconds |
+--------------+
|      5286953 |
|      5088838 |
+--------------+
```

   How many tracks are returned?

   2

2. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers. 1 point

   Run Query: Find all the invoices whose total is between $5 and $15 dollars.

```
1  select total
2  from invoices
3  where total between 5 and 15
```

Run

Reset

```
+-------+
| Total |
+-------+
|  5.94 |
|  8.91 |
| 13.86 |
|  5.94 |
|  8.91 |
| 13.86 |
|  5.94 |
|  8.91 |
| 13.86 |
|  5.94 |
+-------+
(Output limit exceeded, 10 of 168 total rows shown)
```

While the query in this example is limited to 10 records, running the query correctly will indicate how many total records there are - enter that number below.

168

3. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers. 1 point

Run Query: Find all the customers from the following States: RJ, DF, AB, BC, CA, WA, NY.

```
1  select firstname, lastname, company, state
2  from customers
3  where (firstname = 'Jack' and lastname = 'Smith') and (state in ('RJ', 'DF',
     'AB', 'BC', 'CA', 'WA', 'NY'))
```

Run

Reset

```
+-----------+----------+----------------------+-------+
| FirstName | LastName | Company              | State |
+-----------+----------+----------------------+-------+
| Jack      | Smith    | Microsoft Corporation | WA    |
+-----------+----------+----------------------+-------+
```

What company does Jack Smith work for?

- Google Inc.
- Microsoft Corp
- Rogers Canada

- Apple Inc.

4. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers. 1 point

Run Query: Find all the invoices for customer 56 and 58 where the total was between $1.00 and $5.00.

```
1  select customerid, total, invoiceid, invoicedate
2  from invoices
3  where customerid in (56,58) and total between 1 and 5
```

Run

Reset

```
+------------+-------+-----------+---------------------+
| CustomerId | Total | InvoiceId | InvoiceDate         |
+------------+-------+-----------+---------------------+
|         56 |  1.98 |       119 | 2010-06-12 00:00:00 |
|         56 |  3.96 |       142 | 2010-09-14 00:00:00 |
|         56 |  1.98 |       337 | 2013-01-28 00:00:00 |
|         58 |  1.98 |       120 | 2010-06-12 00:00:00 |
|         58 |  1.98 |       315 | 2012-10-27 00:00:00 |
|         58 |  3.96 |       338 | 2013-01-29 00:00:00 |
|         58 |  1.99 |       412 | 2013-12-22 00:00:00 |
+------------+-------+-----------+---------------------+
```

What was the invoice date for invoice ID 315?

- 6-12-2010
- 12-22-2013
- (selected) 10-27-2012
- 1-29-2013

5. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers. 1 point

Run Query: Find all the tracks whose name starts with 'All'.

```
1  select name
2  from Tracks
3  where name like 'All%'
```

Run

Reset

```
+--------------------------------------+
| Name                                 |
+--------------------------------------+
| All I Really Want                    |
| All For You                          |
| All Star                             |
| All My Life                          |
| All My Love                          |
| All Within My Hands                  |
| All or None                          |
| All Dead, All Dead                   |
| All the Best Cowboys Have Daddy Issues |
| All Because Of You                   |
+--------------------------------------+
(Output limit exceeded, 10 of 15 total rows shown)
```

While only 10 records are shown, the query will indicate how many total records there are for this query - enter that number below.

15

6. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers. 1 point

Run Query: Find all the customer emails that start with "J" and are from gmail.com.

```
1  select email
2  from customers
3  where email like 'j%gmail.com'
```

Run

Reset

```
+---------------------+
| Email               |
+---------------------+
| jubarnett@gmail.com |
+---------------------+
```

Enter the one email address returned (you will likely need to scroll to the right) below.

jubarnett@gmail.com

7. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers. 1 point

Run Query: Find all the invoices from the billing city Brasília, Edmonton, and Vancouver and sort in descending order by invoice ID.

```
1  select billingcity, total
2  from invoices
3  where billingcity in ('Brasília', 'Edmonton','Vancouver')
4  order by invoiceid desc
```

Run

Reset

```
+-------------+-------+
| BillingCity | Total |
+-------------+-------+
| Edmonton    | 13.86 |
| Edmonton    |  1.98 |
| Vancouver   |  0.99 |
| Brasília    |  8.91 |
| Vancouver   |  5.94 |
| Brasília    | 13.86 |
| Vancouver   |  3.96 |
| Brasília    |  1.98 |
| Vancouver   |  1.98 |
| Edmonton    |  0.99 |
+-------------+-------+
(Output limit exceeded, 10 of 21 total rows shown)
```

What is the total invoice amount of the first record returned? Enter the number below without a $ sign. *Remember to sort in descending order to get the correct answer.*

13.86

8. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers. 1 point

Run Query: Show the number of orders placed by each customer (hint: this is found in the invoices table) and sort the result by the number of orders in descending order.

```
1  select customerid, count(customerid) as custcount
2  from invoices
3  group by customerid
4  order by custcount desc
```

Run

Reset

```
+------------+-----------+
| CustomerId | custcount |
+------------+-----------+
|          1 |         7 |
|          2 |         7 |
|          3 |         7 |
|          4 |         7 |
|          5 |         7 |
|          6 |         7 |
|          7 |         7 |
|          8 |         7 |
|          9 |         7 |
|         10 |         7 |
+------------+-----------+
(Output limit exceeded, 10 of 59 total rows shown)
```

What is the number of items placed for the 8th person on this list? Enter that number below.

7

9. All of the questions in this quiz refer to the open source Chinook Database. Please familiarize yourself with the ER diagram to familiarize yourself with the table and column names to write accurate queries and get the appropriate answers. 1 point

Run Query: Find the albums with 12 or more tracks.

```
1  select albumid, count(trackid) as trackcount
2  from tracks
3  group by albumid
4  having trackcount >=12
5
```

Run

Reset

```
+---------+------------+
| AlbumId | trackcount |
+---------+------------+
|       5 |         15 |
|       6 |         13 |
|       7 |         12 |
|       8 |         14 |
|      10 |         14 |
|      11 |         12 |
|      12 |         12 |
|      14 |         13 |
|      18 |         17 |
|      21 |         18 |
+---------+------------+
(Output limit exceeded, 10 of 158 total rows shown)
```

While the number of records returned is limited to 10, the query, if run correctly, will indicate how many total records there are. Enter that number below.

158