Practice Simple Select Queries

TOTAL POINTS 10

1. *To prepare for the graded coding quiz, you will be asked to execute a query, read the results, and select the correct answer you found in the results. This question is for you to practice executing queries. I have provided you the script for this query, a simple select statement. Think of this as a sandbox for you to practice. As you practice executing queries, take time to read the results in order to prepare for the quiz and get comfortable writing a basic select statement.*

Run query: Retrieve all the data from the <u>tracks</u> table. Who is the composer for track 18?

```
1  Select *
2  From Tracks;
```

Run

Reset

```
+---------+------------------------------------------+---------+-------------+---------+--------
| TrackId | Name                                     | AlbumId | MediaTypeId | GenreId | Compose
+---------+------------------------------------------+---------+-------------+---------+--------
|       1 | For Those About To Rock (We Salute You)  |       1 |           1 |       1 | Angus Y
|       2 | Balls to the Wall                        |       2 |           2 |       1 | None
|       3 | Fast As a Shark                          |       3 |           2 |       1 | F. Balt
|       4 | Restless and Wild                        |       3 |           2 |       1 | F. Balt
|       5 | Princess of the Dawn                     |       3 |           2 |       1 | Deaffy
|       6 | Put The Finger On You                    |       1 |           1 |       1 | Angus Y
|       7 | Let's Get It Up                          |       1 |           1 |       1 | Angus Y
|       8 | Inject The Venom                         |       1 |           1 |       1 | Angus Y
|       9 | Snowballed                               |       1 |           1 |       1 | Angus Y
|      10 | Evil Walks                               |       1 |           1 |       1 | Angus Y
|      11 | C.O.D.                                   |       1 |           1 |       1 | Angus Y
|      12 | Breaking The Rules                       |       1 |           1 |       1 | Angus Y
|      13 | Night Of The Long Knives                 |       1 |           1 |       1 | Angus Y
|      14 | Spellbound                               |       1 |           1 |       1 | Angus Y
|      15 | Go Down                                  |       4 |           1 |       1 | AC/DC
|      16 | Dog Eat Dog                              |       4 |           1 |       1 | AC/DC
|      17 | Let There Be Rock                        |       4 |           1 |       1 | AC/DC
```

```
|   18 | Bad Boy Boogie                       |        4 |           1 |        1 | AC/DC
|   19 | Problem Child                        |        4 |           1 |        1 | AC/DC
|   20 | Overdose                             |        4 |           1 |        1 | AC/DC
|   21 | Hell Ain't A Bad Place To Be         |        4 |           1 |        1 | AC/DC
|   22 | Whole Lotta Rosie                    |        4 |           1 |        1 | AC/DC
|   23 | Walk On Water                        |        5 |           1 |        1 | Steven
|   24 | Love In An Elevator                  |        5 |           1 |        1 | Steven
|   25 | Rag Doll                             |        5 |           1 |        1 | Steven
+---------+--------------------------------------+----------+-------------+----------+--------
(Output limit exceeded, 25 of 3503 total rows shown)
```

AC/DC

✓ **Correct**

AC/DC is the composer for track 18.

A simple select statement is the foundation to almost all queries. You should be able to write this in your sleep. The only way to get comfortable writing these statements is practice writing them until it comes naturally.

2. *To prepare for the graded coding quiz, you will be asked to execute a query, read the results, and select the correct answer you found in the results. This question is for you to practice executing queries. I have provided you the script for this query, a simple select statement. Think of this as a sandbox for you to practice. As you practice executing queries, take time to read the results in order to prepare for the quiz and get comfortable writing a basic select statement.*

1 / 1 point

Run Query: Retrieve all data from the <u>artists</u> table. Look at the list of artists, how many artists are you familiar with (there is no wrong answer here)?

```
   1   Select *
   2   From Artists;
```

Run

Reset

```
+----------+--------------------------------+
| ArtistId | Name                           |
+----------+--------------------------------+
|        1 | AC/DC                          |
|        2 | Accept                         |
|        3 | Aerosmith                      |
|        4 | Alanis Morissette              |
|        5 | Alice In Chains                |
|        6 | Antônio Carlos Jobim           |
|        7 | Apocalyptica                   |
|        8 | Audioslave                     |
|        9 | BackBeat                       |
|       10 | Billy Cobham                   |
|       11 | Black Label Society            |
|       12 | Black Sabbath                  |
|       13 | Body Count                     |
|       14 | Bruce Dickinson                |
|       15 | Buddy Guy                      |
|       16 | Caetano Veloso                 |
|       17 | Chico Buarque                  |
|       18 | Chico Science & Nação Zumbi    |
|       19 | Cidade Negra                   |
|       20 | Cláudio Zoli                   |
|       21 | Various Artists                |
|       22 | Led Zeppelin                   |
|       23 | Frank Zappa & Captain Beefheart |
|       24 | Marcos Valle                   |
|       25 | Milton Nascimento & Bebeto     |
+----------+--------------------------------+
(Output limit exceeded, 25 of 275 total rows shown)
```

3

✓ **Correct**

There are no incorrect answers to this question as it is subjective to you. Again, this is a simple select statement to help you obtain information from a set of data. They are the foundation to almost all queries. You should be able to write this in your sleep. The only way to get comfortable writing these statements is practice writing them until it comes naturally.

3. *To prepare for the graded coding quiz, you will be asked to execute a query, read the results, and select the correct*   **1 / 1 point**
    answer you found in the results. This question is for you to practice executing queries. I have provided you the script
    for this query, a simple select statement. Think of this as a sandbox for you to practice. As you practice executing
    queries, take time to read the results in order to prepare for the quiz and get comfortable writing a basic select
    statement.

    Run Query: Retrieve all data from the <u>invoices</u> table. What is the billing address for customer 31?

```
1  Select *
2  From Invoices;
```

Run

Reset

```
+-----------+------------+---------------------+----------------------------+---------------+---
| InvoiceId | CustomerId | InvoiceDate         | BillingAddress             | BillingCity   | Bi
+-----------+------------+---------------------+----------------------------+---------------+---
|         1 |          2 | 2009-01-01 00:00:00 | Theodor-Heuss-Straße 34    | Stuttgart     |
|         2 |          4 | 2009-01-02 00:00:00 | Ullevålsveien 14           | Oslo          |
|         3 |          8 | 2009-01-03 00:00:00 | Grétrystraat 63            | Brussels      |
|         4 |         14 | 2009-01-06 00:00:00 | 8210 111 ST NW             | Edmonton      |
|         5 |         23 | 2009-01-11 00:00:00 | 69 Salem Street            | Boston        |
|         6 |         37 | 2009-01-19 00:00:00 | Berger Straße 10           | Frankfurt     |
|         7 |         38 | 2009-02-01 00:00:00 | Barbarossastraße 19        | Berlin        |
|         8 |         40 | 2009-02-01 00:00:00 | 8, Rue Hanovre             | Paris         |
|         9 |         42 | 2009-02-02 00:00:00 | 9, Place Louis Barthou     | Bordeaux      |
|        10 |         46 | 2009-02-03 00:00:00 | 3 Chatham Street           | Dublin        |
|        11 |         52 | 2009-02-06 00:00:00 | 202 Hoxton Street          | London        |
|        12 |          2 | 2009-02-11 00:00:00 | Theodor-Heuss-Straße 34    | Stuttgart     |
|        13 |         16 | 2009-02-19 00:00:00 | 1600 Amphitheatre Parkway  | Mountain View |
|        14 |         17 | 2009-03-04 00:00:00 | 1 Microsoft Way            | Redmond       |
|        15 |         19 | 2009-03-04 00:00:00 | 1 Infinite Loop            | Cupertino     |
|        16 |         21 | 2009-03-05 00:00:00 | 801 W 4th Street           | Reno          |
|        17 |         25 | 2009-03-06 00:00:00 | 319 N. Frances Street      | Madison       |
|        18 |         31 | 2009-03-09 00:00:00 | 194A Chain Lake Drive      | Halifax       |
|        19 |         40 | 2009-03-14 00:00:00 | 8, Rue Hanovre             | Paris         |
|        20 |         54 | 2009-03-22 00:00:00 | 110 Raeburn Pl             | Edinburgh     |
|        21 |         55 | 2009-04-04 00:00:00 | 421 Bourke Street          | Sidney        |
|        22 |         57 | 2009-04-04 00:00:00 | Calle Lira, 198            | Santiago      |
|        23 |         59 | 2009-04-05 00:00:00 | 3,Raj Bhavan Road          | Bangalore     |
|        24 |          4 | 2009-04-06 00:00:00 | Ullevålsveien 14           | Oslo          |
|        25 |         10 | 2009-04-09 00:00:00 | Rua Dr. Falcão Filho, 155  | São Paulo     |
+-----------+------------+---------------------+----------------------------+---------------+---
(Output limit exceeded, 25 of 412 total rows shown)
```

194A Chain Lake Drive

4. *To prepare for the graded coding quiz, you will be asked to execute a query, read the results, and select the correct answer you found in the results. This question is for you to practice executing queries. I have provided you the script for this query, a simple select statement. Think of this as a sandbox for you to practice. As you practice executing queries, take time to read the results in order to prepare for the quiz and get comfortable writing a basic select statement.*

1 / 1 point

Run Query: Return the playlist id, and name from the playlists table. How many playlists are there? Which would you classify is your favorite from this list?

```
1  Select Playlistid,
2  Name
3  From Playlists;
```

Run

Reset

```
+-----------+----------------------------+
| PlaylistId | Name                      |
+-----------+----------------------------+
|         1 | Music                      |
|         2 | Movies                     |
|         3 | TV Shows                   |
|         4 | Audiobooks                 |
|         5 | 90's Music                 |
|         6 | Audiobooks                 |
|         7 | Movies                     |
|         8 | Music                      |
|         9 | Music Videos               |
|        10 | TV Shows                   |
|        11 | Brazilian Music            |
|        12 | Classical                  |
|        13 | Classical 101 - Deep Cuts  |
|        14 | Classical 101 - Next Steps |
|        15 | Classical 101 - The Basics |
|        16 | Grunge                     |
|        17 | Heavy Metal Classic        |
```

```
|          18 | On-The-Go 1                 |
+-------------+-----------------------------+
```

18 Playlist,tv shows

✓ **Correct**

There are 18 playlists. We're a bit partial to the Audiobooks ourselves. :)

A simple select statement is the foundation to almost all queries. You should be able to write this in your sleep. The only way to get comfortable writing these statements is practice writing them until it comes naturally.

5. *To prepare for the graded coding quiz, you will be asked to execute* **1 / 1 point**
   a query, read the results, and select the correct answer you found
   in the results. This question is for you to practice executing queries.
   I have provided you the script for this query, a simple select
   statement. Think of this as a sandbox for you to practice. As you
   practice executing queries, take time to read the results in order to
   prepare for the quiz and get comfortable writing a basic select
   statement.

   Run Query: Return the Customer Id, Invoice Date, and Billing City
   from the Invoices table. What city is associated with Customer ID
   number 42? What was the invoice date for the customer in
   Santiago?

```
1    Select CustomerId,
2    InvoiceDate,
3    BillingCity
4    From Invoices;
```

Run

Reset

```
+------------+---------------------+----------------+
| CustomerId | InvoiceDate         | BillingCity    |
+------------+---------------------+----------------+
|          2 | 2009-01-01 00:00:00 | Stuttgart      |
|          4 | 2009-01-02 00:00:00 | Oslo           |
|          8 | 2009-01-03 00:00:00 | Brussels       |
|         14 | 2009-01-06 00:00:00 | Edmonton       |
|         23 | 2009-01-11 00:00:00 | Boston         |
|         37 | 2009-01-19 00:00:00 | Frankfurt      |
|         38 | 2009-02-01 00:00:00 | Berlin         |
|         40 | 2009-02-01 00:00:00 | Paris          |
|         42 | 2009-02-02 00:00:00 | Bordeaux       |
|         46 | 2009-02-03 00:00:00 | Dublin         |
|         52 | 2009-02-06 00:00:00 | London         |
|          2 | 2009-02-11 00:00:00 | Stuttgart      |
|         16 | 2009-02-19 00:00:00 | Mountain View  |
|         17 | 2009-03-04 00:00:00 | Redmond        |
|         19 | 2009-03-04 00:00:00 | Cupertino      |
|         21 | 2009-03-05 00:00:00 | Reno           |
|         25 | 2009-03-06 00:00:00 | Madison        |
|         31 | 2009-03-09 00:00:00 | Halifax        |
|         40 | 2009-03-14 00:00:00 | Paris          |
|         54 | 2009-03-22 00:00:00 | Edinburgh      |
|         55 | 2009-04-04 00:00:00 | Sidney         |
|         57 | 2009-04-04 00:00:00 | Santiago       |
|         59 | 2009-04-05 00:00:00 | Bangalore      |
|          4 | 2009-04-06 00:00:00 | Oslo           |
|         10 | 2009-04-09 00:00:00 | São Paulo      |
+------------+---------------------+----------------+
(Output limit exceeded, 25 of 412 total rows shown)
```

Bordeaux

✓ **Correct**

Bordeaux

2009-04-04

A simple select statement is the foundation to almost all queries. You should be able to write this in your sleep. The only way to get comfortable writing these statements is practice writing them until it comes naturally.

6. *To prepare for the graded coding quiz, you will be asked to execute a query, read the results, and select the correct answer you found in the results. This question is for you to practice executing queries. I have provided you the script for this query, a simple select statement. Think of this as a sandbox for you to practice. As you practice executing queries, take time to read the results in order to prepare for the quiz and get comfortable writing a basic select statement.*

Run Query: Return the First Name, Last Name, Email, and Phone, from the Customers table. What is the telephone number for Jennifer Peterson?

```
1  Select FirstName,
2  LastName,
3  Email,
4  Phone
5  From Customers:
```

Run

Reset

```
+-----------+-------------+------------------------------+--------------------+
| FirstName | LastName    | Email                        | Phone              |
+-----------+-------------+------------------------------+--------------------+
| Luís      | Gonçalves   | luisg@embraer.com.br         | +55 (12) 3923-5555 |
| Leonie    | Köhler      | leonekohler@surfeu.de        | +49 0711 2842222   |
| François  | Tremblay    | ftremblay@gmail.com          | +1 (514) 721-4711  |
| Bjørn     | Hansen      | bjorn.hansen@yahoo.no        | +47 22 44 22 22    |
| František | Wichterlová | frantisekw@jetbrains.com     | +420 2 4172 5555   |
| Helena    | Holý        | hholy@gmail.com              | +420 2 4177 0449   |
| Astrid    | Gruber      | astrid.gruber@apple.at       | +43 01 5134505     |
| Daan      | Peeters     | daan_peeters@apple.be        | +32 02 219 03 03   |
| Kara      | Nielsen     | kara.nielsen@jubii.dk        | +453 3331 9991     |
| Eduardo   | Martins     | eduardo@woodstock.com.br     | +55 (11) 3033-5446 |
| Alexandre | Rocha       | alero@uol.com.br             | +55 (11) 3055-3278 |
| Roberto   | Almeida     | roberto.almeida@riotur.gov.br| +55 (21) 2271-7000 |
| Fernanda  | Ramos       | fernadaramos4@uol.com.br     | +55 (61) 3363-5547 |
| Mark      | Philips     | mphilips12@shaw.ca           | +1 (780) 434-4554  |
| Jennifer  | Peterson    | jenniferp@rogers.ca          | +1 (604) 688-2255  |
| Frank     | Harris      | fharris@google.com           | +1 (650) 253-0000  |
| Jack      | Smith       | jacksmith@microsoft.com      | +1 (425) 882-8080  |
| Michelle  | Brooks      | michelleb@aol.com            | +1 (212) 221-3546  |
| Tim       | Goyer       | tgoyer@apple.com             | +1 (408) 996-1010  |
| Dan       | Miller      | dmiller@comcast.com          | +1 (650) 644-3358  |
| Kathy     | Chase       | kachase@hotmail.com          | +1 (775) 223-7665  |
| Heather   | Leacock     | hleacock@gmail.com           | +1 (407) 999-7788  |
| John      | Gordon      | johngordon22@yahoo.com       | +1 (617) 522-1333  |
| Frank     | Ralston     | fralston@gmail.com           | +1 (312) 332-3232  |
| Victor    | Stevens     | vstevens@yahoo.com           | +1 (608) 257-0597  |
+-----------+-------------+------------------------------+--------------------+
(Output limit exceeded, 25 of 59 total rows shown)
```

+1 (604) 688-2255

7. *To prepare for the graded coding quiz, you will be asked to execute a query, read the results, and select the correct answer you found in the results. This question is for you to practice executing queries. I have provided you the script for this query, a simple select statement. Think of this as a sandbox for you to practice. As you practice executing queries, take time to read the results in order to prepare for the quiz and get comfortable writing a basic select statement.*

1 / 1 point

Run Query: Return the Track Id, Genre Id, Composer, Unit Price from the Tracks table. How much do these tracks cost?

```
1  Select TrackId,
2  GenreId,
3  Composer,
4  UnitPrice
5  From Tracks;
```

Run

Reset

```
+---------+---------+-----------------------------------------------------------------+-
| TrackId | GenreId | Composer                                                        |
+---------+---------+-----------------------------------------------------------------+-
|       1 |       1 | Angus Young, Malcolm Young, Brian Johnson                       |
|       2 |       1 | None                                                            |
|       3 |       1 | F. Baltes, S. Kaufman, U. Dirkscneider & W. Hoffman             |
|       4 |       1 | F. Baltes, R.A. Smith-Diesel, S. Kaufman, U. Dirkscneider & W. Hoffman |
|       5 |       1 | Deaffy & R.A. Smith-Diesel                                      |
|       6 |       1 | Angus Young, Malcolm Young, Brian Johnson                       |
|       7 |       1 | Angus Young, Malcolm Young, Brian Johnson                       |
|       8 |       1 | Angus Young, Malcolm Young, Brian Johnson                       |
|       9 |       1 | Angus Young, Malcolm Young, Brian Johnson                       |
|      10 |       1 | Angus Young, Malcolm Young, Brian Johnson                       |
|      11 |       1 | Angus Young, Malcolm Young, Brian Johnson                       |
|      12 |       1 | Angus Young, Malcolm Young, Brian Johnson                       |
|      13 |       1 | Angus Young, Malcolm Young, Brian Johnson                       |
|      14 |       1 | Angus Young, Malcolm Young, Brian Johnson                       |
|      15 |       1 | AC/DC                                                           |
```

```
|    16 |        1 | AC/DC                                                          |
|    17 |        1 | AC/DC                                                          |
|    18 |        1 | AC/DC                                                          |
|    19 |        1 | AC/DC                                                          |
|    20 |        1 | AC/DC                                                          |
|    21 |        1 | AC/DC                                                          |
|    22 |        1 | AC/DC                                                          |
|    23 |        1 | Steven Tyler, Joe Perry, Jack Blades, Tommy Shaw               |
|    24 |        1 | Steven Tyler, Joe Perry                                        |
|    25 |        1 | Steven Tyler, Joe Perry, Jim Vallance, Holly Knight            |
+---------+---------+----------------------------------------------------------------+-
(Output limit exceeded, 25 of 3503 total rows shown)
```

0.99

✓ **Correct**

Notice that all the tracks listed are $0.99.

Also, notice that you were limited to 25 lines. This is because of Coursera's server storage capacity. However, depending on the size of your dataset, would you want to set a limit?

8. *To prepare for the graded coding quiz, you will be asked to execute a query, read the results, and select the correct answer you found in the results. This question is for you to practice executing queries. I have provided you the script for this query, a simple select statement. Think of this as a sandbox for you to practice. As you practice executing queries, take time to read the results in order to prepare for the quiz and get comfortable writing a basic select statement.*

0 / 1 point

Run Query: Select all the columns from the Playlist Track table and limit the results to 10 records. How might this information be used?

```
1   Select *
2   From Playlist_track
3   Limit 10;
```

Run

Reset

```
+------------+---------+
| PlaylistId | TrackId |
+------------+---------+
|          1 |    3402 |
|          1 |    3389 |
|          1 |    3390 |
|          1 |    3391 |
|          1 |    3392 |
|          1 |    3393 |
|          1 |    3394 |
|          1 |    3395 |
|          1 |    3396 |
|          1 |    3397 |
+------------+---------+
```

No answer

9. *To prepare for the graded coding quiz, you will be asked to execute a query, read the results, and select the correct answer you found in the results. This question is for you to practice executing queries. I have provided you the script for this query, a simple select statement. Think of this as a sandbox for you to*

1 / 1 point

practice. As you practice executing queries, take time to read the results in order to prepare for the quiz and get comfortable writing a basic select statement.

Run Query: Select all the columns from the Media Types table and limit the results to 50 records. What happened when you ran this query? Were you able to get all 50 records?

```
1   Select *
2   From Media_types
3   Limit 50;
```

Run

Reset

```
+-------------+----------------------------+
| MediaTypeId | Name                       |
+-------------+----------------------------+
|           1 | MPEG audio file            |
|           2 | Protected AAC audio file   |
|           3 | Protected MPEG-4 video file |
|           4 | Purchased AAC audio file   |
|           5 | AAC audio file             |
```

```
|            5 | AAc audio file            |
+--------------+---------------------------+
```

no

10. *To prepare for the graded coding quiz, you will be asked to execute a query, read the results, and select the correct answer you found in the results. This question is for you to practice executing queries. I have provided you the script for this query, a simple select statement. Think of this as a sandbox for you to practice. As you practice executing queries, take time to read the results in order to prepare for the quiz and get comfortable writing a basic select statement.*

1 / 1 point

Run Query: Select all the columns from the Albums table and limit the results to 5 records. How many columns are in the albums table?

What is the name of the 9th album in this list?

```
1   Select *
2   From Albums;
```

Run

Reset

```
+---------+---------------------------------------------------+----------+
| AlbumId | Title                                             | ArtistId |
+---------+---------------------------------------------------+----------+
|       1 | For Those About To Rock We Salute You             |        1 |
|       2 | Balls to the Wall                                 |        2 |
|       3 | Restless and Wild                                 |        2 |
|       4 | Let There Be Rock                                 |        1 |
|       5 | Big Ones                                          |        3 |
|       6 | Jagged Little Pill                                |        4 |
|       7 | Facelift                                          |        5 |
|       8 | Warner 25 Anos                                    |        6 |
|       9 | Plays Metallica By Four Cellos                    |        7 |
|      10 | Audioslave                                        |        8 |
|      11 | Out Of Exile                                      |        8 |
|      12 | BackBeat Soundtrack                               |        9 |
|      13 | The Best Of Billy Cobham                          |       10 |
|      14 | Alcohol Fueled Brewtality Live! [Disc 1]          |       11 |
|      15 | Alcohol Fueled Brewtality Live! [Disc 2]          |       11 |
|      16 | Black Sabbath                                     |       12 |
|      17 | Black Sabbath Vol. 4 (Remaster)                   |       12 |
|      18 | Body Count                                        |       13 |
|      19 | Chemical Wedding                                  |       14 |
|      20 | The Best Of Buddy Guy - The Millenium Collection  |       15 |
|      21 | Prenda Minha                                      |       16 |
|      22 | Sozinho Remix Ao Vivo                             |       16 |
|      23 | Minha Historia                                    |       17 |
|      24 | Afrociberdelia                                    |       18 |
|      25 | Da Lama Ao Caos                                   |       18 |
+---------+---------------------------------------------------+----------+
(Output limit exceeded, 25 of 347 total rows shown)
```

◄ ►

Plays Metallica By Four Cellos

✓ **Correct**

   Yes, there are only 3 columns in the albums table.