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.*

1 / 1 point

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

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

Run

Reset

```
+---------+----------------------------------------+---------+-------------+---------+----------
| TrackId | Name                                   | AlbumId | MediaTypeId | GenreId | Composer
+---------+----------------------------------------+---------+-------------+---------+----------
|       1 | For Those About To Rock (We Salute You) |       1 |           1 |       1 | Angus Your
|       2 | Balls to the Wall                      |       2 |           2 |       1 | None
|       3 | Fast As a Shark                        |       3 |           2 |       1 | F. Baltes,
|       4 | Restless and Wild                      |       3 |           2 |       1 | F. Baltes,
|       5 | Princess of the Dawn                   |       3 |           2 |       1 | Deaffy & R
|       6 | Put The Finger On You                  |       1 |           1 |       1 | Angus Your
|       7 | Let's Get It Up                        |       1 |           1 |       1 | Angus Your
|       8 | Inject The Venom                       |       1 |           1 |       1 | Angus Your
|       9 | Snowballed                             |       1 |           1 |       1 | Angus Your
|      10 | Evil Walks                             |       1 |           1 |       1 | Angus Your
|      11 | C.O.D.                                 |       1 |           1 |       1 | Angus Your
|      12 | Breaking The Rules                     |       1 |           1 |       1 | Angus Your
|      13 | Night Of The Long Knives               |       1 |           1 |       1 | Angus Your
|      14 | Spellbound                             |       1 |           1 |       1 | Angus Your
|      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 Tyl
|      24 | Love In An Elevator                    |       5 |           1 |       1 | Steven Tyl
|      25 | Rag Doll                               |       5 |           1 |       1 | Steven Tyl
+---------+----------------------------------------+---------+-------------+---------+----------
(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 artists 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)
```

6

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 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 invoices table. What is the billing address for customer 31?

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

Run

Reset

InvoiceId	CustomerId	InvoiceDate	BillingAddress	BillingCity	Billi
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	

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194A Chain Lake Drive

Correct

194A Chain Lake Drive, Halifax, NS, CANADA B3S 1C5

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.

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.
My favourite is Movies
Some Ids names are repeated

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 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 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

2009-04-04 00:00:00

Correct
Bordeaux

2009-04-04

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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

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+1 (604) 688-2255

Correct

Jennifer Peterson's phone number is: +1 (604) 688-2255

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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                                                                | Uni
+---------+---------+-------------------------------------------------------------------------+----
|       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. **1 / 1 point**

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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 |
+------------+---------+
```

To have a quick overview of the data

Correct

This particular query provided 2 columns, one with playlist ID and one with track ID. By knowing your dataset, you will be able to determine how or when this particular information might be useful.

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 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 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              |
+-------------+-----------------------------+
```

It only showed 5 results as there are not more on Media_types table

Correct

Unfortunately, Coursera's code block feature limits queries to 25 lines because of server storage capacity. However, regardless of this feature it is important for you to note that 50 records would have likely been showing in a normal SQL query with a limit in the code line as seen above. (5 records are shown.) So as you work through the exercises of this course, please keep this in mind.

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
3    Limit 5;
```

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 |
+---------+--------------------------------------+----------+
```

There are 3 columns in the Albums table.

Number 9 Title is: "Plays Metallica By Four Cellos"

Correct

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

The 9th album's name is: *Plays Metallica By Four Cellos,* you should have been able to retrieve this by changing the limit number in the query. Here is how they should look:

```
1  Select *
2  From Albums
3  Limit 5;
```

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