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?

| TrackId | | | L | | |
|---------|---|------------|--------------|--------------|-----------------|
| | | | MediaTypeId | | |
| | For Those About To Rock (We Salute You) | | | | Angus Yoι |
| | Balls to the Wall | 1 2 | ! | | None |
| | Fast As a Shark | . – I 3 | ! | | F. Balte |
| - ! | Restless and Wild | 3 | . – . 2 | - | F. Baltes |
| - | Princess of the Dawn | 3 | 2 | | Deaffy & |
| | Put The Finger On You | 1 | 1 1 | | Angus You |
| | Let's Get It Up | İ 1 | 1 | | Angus You |
| | Inject The Venom | | 1 1 | | Angus You |
| | Snowballed | 1 | 1 | | Angus Yo |
| | Evil Walks | 1 | 1 | | Angus Yo |
| 11 | C.O.D. | 1 | 1 | | Angus Yo |
| 12 | Breaking The Rules | 1 | 1 | | Angus Yo |
| | Night Of The Long Knives | 1 | 1 | | Angus Yo |
| 14 | Spellbound | 1 | 1 | 1 | Angus Yo |
| 15 | GO DOWN | 4 | 1 | | AC/DC |
| 16 | Dog Eat Dog | 4 | 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 | | AC/DC |
| 23 | Walk On Water | 5 | 1 | 1 | Steven T |
| 24 | Love In An Elevator | 5 | 1 | 1 | Steven T |
| | Rag Doll | I 5 | 1 | 1 | Steven T |

AC/DC



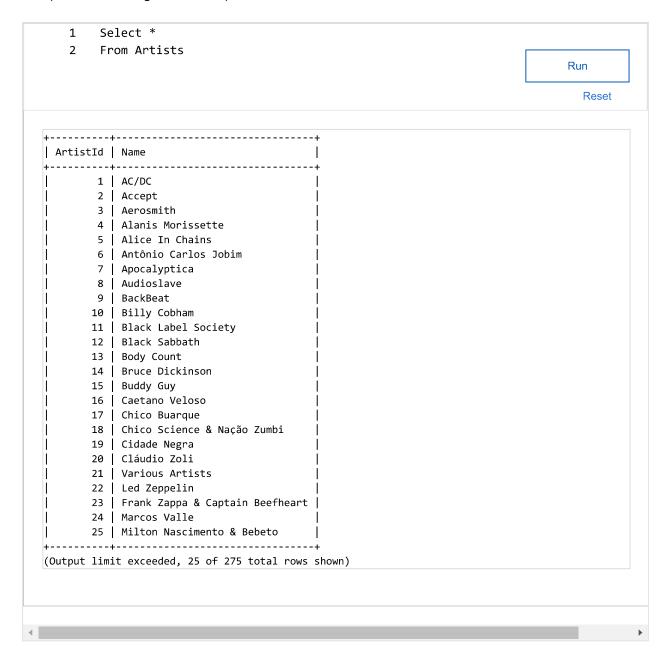
AC/DC is the composer for track 18.

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)?



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.

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1/1 point

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

| | | | | | o o o t |
|----|---------|----------------------------|--------------------------------|--------------------|------------|
| | | | | , , , | eset |
| | | | + BillingAddress | + BillingCity | + Bil |
| 1 | 2 | + 2009-01-01 00:00:00 | + Theodor-Heuss-Straße 34 | + Stuttgart | + |
| 2 | | 2009-01-02 00:00:00 | | Oslo | ! |
| 3 | | 2009-01-03 00:00:00 | ! | Brussels | ļ |
| 4 | 14 | 2009-01-06 00:00:00 | 8210 111 ST NW | Edmonton | İ |
| 5 | 23 | 2009-01-11 00:00:00 | | Boston | İ |
| 6 | 37 | 2009-01-19 00:00:00 | Berger Straße 10 | Frankfurt | İ |
| 7 | 38 | 2009-02-01 00:00:00 | Barbarossastraße 19 | Berlin | ĺ |
| 8 | 40 | 2009-02-01 00:00:00 | 8, Rue Hanovre | Paris | ĺ |
| 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 | |

194A Chain Lake Drive



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.

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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?



18.
My favourite is Movies
Some Ids names are repeated



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.

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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?



| Bordeaux | |
|---------------------|--|
| 2009-04-04 00:00:00 | |
| | |
| | |
| 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.

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1 / 1 point

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

| | + | | | |
|--------------|----------------|-------------------------------|--------------------|--|
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| Frank | Ralston | fralston@gmail.com | +1 (312) 332-3232 | |
| Victor | Stevens | vstevens@yahoo.com | +1 (608) 257-0597 | |
| utput limi | t exceeded, 25 | of 59 total rows shown) | ++ | |

+1 (604) 688-2255

✓ Correct

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

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.

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1 / 1 point

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

Select TrackId, 2 GenreId, 3 Composer, Run 4 UnitPrice 5 From Tracks; Reset **|** | TrackId | GenreId | Composer -----1 1 | Angus Young, Malcolm Young, Brian Johnson 1 None 1 | F. Baltes, S. Kaufman, U. Dirkscneider & W. Hoffman 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 1 | Angus Young, Malcolm Young, Brian Johnson 11 12 1 | Angus Young, Malcolm Young, Brian Johnson 13 1 | Angus Young, Malcolm Young, Brian Johnson 1 | Angus Young, Malcolm Young, Brian Johnson 14 15 1 AC/DC 16 1 AC/DC 17 1 AC/DC 18 1 AC/DC 19 1 AC/DC 20 1 AC/DC 1 AC/DC 21 22 1 AC/DC 1 | Steven Tyler, Joe Perry, Jack Blades, Tommy Shaw 23 1 | Steven Tyler, Joe Perry 24 1 | Steven Tyler, Joe Perry, Jim Vallance, Holly Knight (Output limit exceeded, 25 of 3503 total rows shown)

0.99

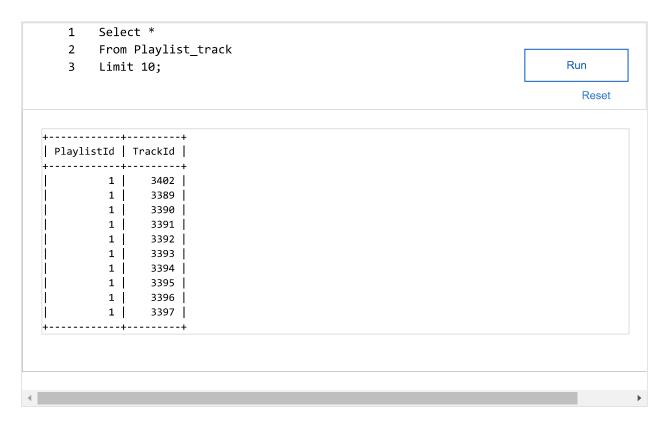
(v) Correct

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?

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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?



To have a quick overview of the data

✓ Correct

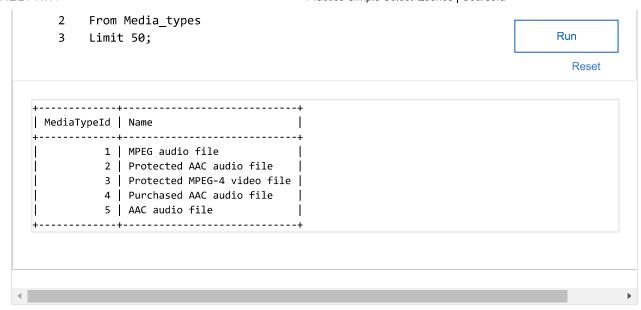
This particular query provided 2 columns, one with playlist ID and one with track ID. By knowing your dataset, you will be able to determine how or when this particular information might be useful.

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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 *



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



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.

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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?

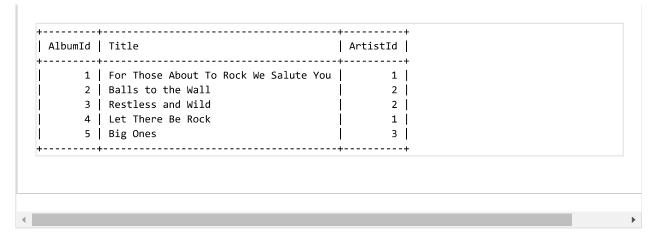
What is the name of the 9th album in this list?

- 1 Select *
- 2 From Albums

2 From Albums
3 Limit 5;

Run

Reset



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:

