

Subqueries and Joins in SQL

- ✔

Video: Module Introduction
1 min
- ✔

Video: Using Subqueries
6 min
- ✔

Video: Subquery Best Practices and Considerations
5 min
- ✔

Video: Joining Tables: An Introduction
5 min
- ✔

Video: Cartesian (Cross) Joins
4 min
- ✔

Video: Inner Joins
8 min
- ✔

Video: Aliases and Self Joins
6 min
- ✔

Video: Advanced Joins: Left, Right, and Full Outer Joins
7 min
- ✔

Video: Unions
5 min
- ✔

Practice Quiz: Practice Quiz - Writing Queries
5 questions
- ✔

Video: Summary
5 min
- ✔

Reading: SQL and Python
10 min
- ✔

Reading: Union and Union All
10 min

Review and Practice

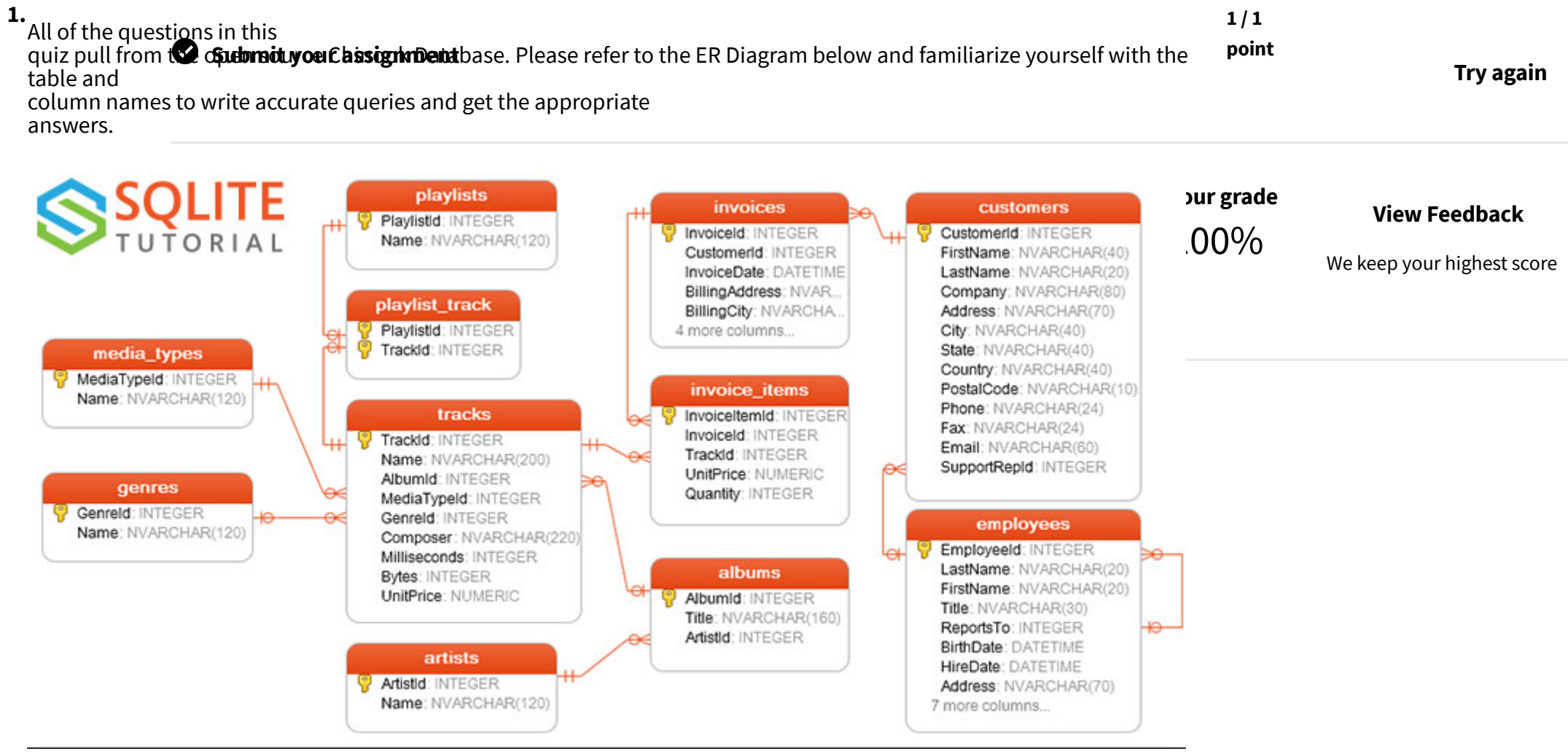
🎉 Congratulations! You passed!

Grade received 100%. To pass 80% or higher

Practice Quiz - Writing Queries

Practice Quiz • 30 min

Go to next item



1/1 point

Try again

Your grade

00%

View Feedback

We keep your highest score

How many albums does the artist Led Zeppelin have?

```
1 SELECT COUNT(albumId) AS total FROM albums
2 WHERE ArtistId IN (
3   SELECT ArtistId
4   FROM artists
5   WHERE Name LIKE "Led Zeppelin"
6 );
```

Run

Reset

14

✔ Correct

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

1/1 point

Create a list of album titles and the unit prices for the artist "Audioslave".

```
1 SELECT A.Title AS Album_Titles, T.UnitPrice AS Track_unit_price
2 FROM Albums A
3 INNER JOIN Tracks T ON A.AlbumId = T.AlbumId -- this sql selects all the albums-only having tracks information (join tracks and albums by AlbumId)
4 INNER JOIN Artists Ar ON Ar.ArtistID = A.ArtistID -- this sql selects all the albums only related with that artist (join artists and albums by ArtistID)
5 WHERE Ar.Name = "Audioslave"; -- where artist name is "Audioslave"
```

Run

Reset

How many records are returned?

Only 25 records will be shown in the output so please look at the bottom of the output to see how many records were retrieved.

40

✔ Correct

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

1/1 point

Find the first and last name of any customer who does not have an invoice. Are there any customers returned from the query?

```
1 SELECT N.FirstName, N.LastName, I.InvoiceId
2 FROM customers N
3 LEFT JOIN invoices I ON N.CustomerId = I.CustomerId -- all records/rows from customers table will appear
4 WHERE InvoiceId IS NULL; -- only, returns the condition matching invoices
5 -- condition is that, InvoiceId should be Null
6 -- SELECT * FROM invoices; -- For checking number of records/rows in the LEFT JOIN (Table:invoices) must be equal with the records in the result/outcome.
```

Run

Reset

☐ Yes

☒ No

✔ Correct

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

1/1 point

Find the total price for each album.

```
1 SELECT A.Title AS Album_Title, SUM(T.UnitPrice) AS Total_Price_of_Album
2 FROM albums A
3 INNER JOIN tracks T ON A.AlbumId = T.AlbumId
4 WHERE A.Title = "Big Ones"
5 GROUP BY A.Title;
6
7
8 -- SELECT A.Title AS Album_Title, SUM(T.UnitPrice) AS Total_Price_of_Album
9 -- FROM albums A
10 -- INNER JOIN tracks T ON A.AlbumId = T.AlbumId
11 -- GROUP BY A.Title;
```

Run

Reset

What is the total price for the album "Big Ones"?

14.85

✔ Correct

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

1/1 point

How many records are created when you apply a Cartesian join to the invoice and invoice items table?

```
1 SELECT I.InvoiceId D
2 FROM invoices I
3 CROSS JOIN invoice_items Ii;
```

Run

Reset

Only 25 records will be shown in the output so please look at the bottom of the output to see how many records were retrieved.

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✔ Correct