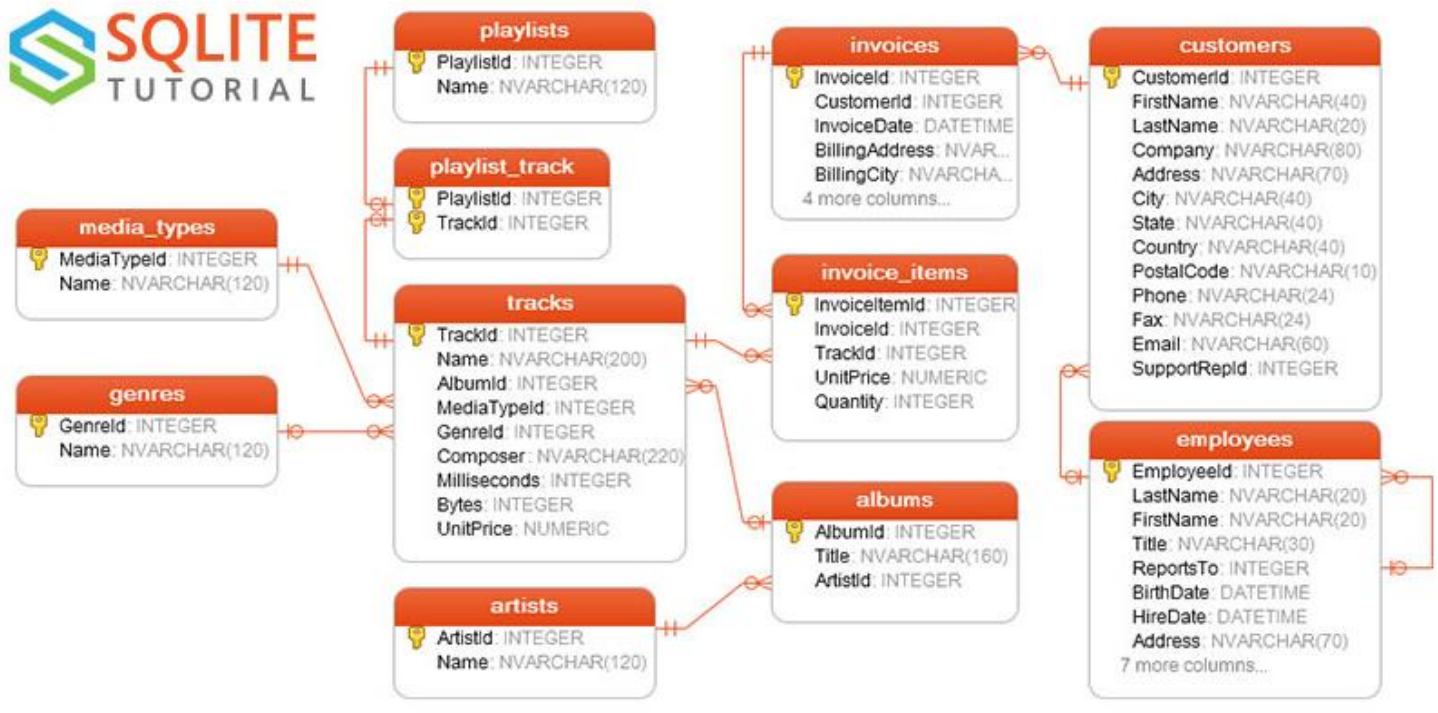# Module 3 Practice Coding Questions

How many albums does the artist Led Zeppelin have?

```
select count(distinct albumid) as count
from artists
join albums
on artists.artistid = albums.artistid
where name = 'Led Zeppelin'
```

14

Create a list of album titles and the unit prices for the artist "Audioslave". How many records are returned?

```
select artists.name, albums.title, tracks.unitprice
from artists
join albums
on artists.artistid = albums.artistid
join tracks
on tracks.albumid = albums.albumid
where artists.name = 'Audioslave';
```

40

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

```
select FirstName, LastName
from customers
join invoices
on invoices.customerid = customers.customerid
```

No

Find the total price for each album. What is the total price for the album "Big Ones"?

```sql
select albums.title, albums.albumid, sum(tracks.unitprice)
from albums
join tracks
on tracks.albumid = albums.albumid
where albums.title is 'Big Ones'
group by 2
```

14.85

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

```sql
select count(*)
from invoices
cross join invoice_items
```

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