# Exercise 1

Write a query to find the first and last name, customer ID and invoice ID for customers who have purchased an item.

select FirstName,

LastName,

InvoiceId,

customers.CustomerId as CustomerUID

from customers

join invoices

on customers.CustomerId = invoices.CustomerId

limit 20;  
  
Exercise 2  
  
Write a query that finds all playlists with tracks that have a trackId less than 5 and Bytes less than 6,000,000.

select \*

from albums

join tracks

on albums.AlbumId = tracks.AlbumId

where TrackId < 5 and Bytes < 6000000;

# Exercise 3

Write a query that lists out all information of every track along with the Name of the Genre for each track, even if a genre doesn't exist for that track.

Hint! Give the Name in the genres table a different name for the output.

select genres.Name as Genre,

TrackId,

tracks.Name as Songs,

AlbumId,

MediaTypeId,

Composer,

Milliseconds,

Bytes,

UnitPrice

from genres

join tracks

on genres.GenreId = tracks.GenreId

limit 15;

# Exercise 4

Write a query that lists out the title of albums and the name of the artists who wrote those albums. We only want to see the albums that were written by artists that start with a vowel.

select \*

from albums

join artists

on albums.ArtistId = artists.ArtistId

where Name like 'a%'

limit 15;

# Exercise 5

You have just been hired as a Data Analyst for a company that sells music to customers. They would like a list of playlists and the tracks that live inside each playlist. They want to see the Name of the playlist, Name of the tracks in the playlist, the Composer for each track and the UnitPrice. They also want to see all data, even if it is Null. They would like to see it in reverse alphebetical order of the Composers.

Hint! Pay close attention to the column names and give them unique names if the column name is repeated.

select playlists.Name as playlistsName,

tracks.Name as Songs,

Composer,

UnitPrice

from playlists

join tracks

on playlists.PlaylistId = tracks.TrackId

order by Composer desc;