

```
/*
WHERE Clause Syntax homework solution.
Your syntax does not have to match mine exactly. What is important
is that the result sets are the same.
*/
```

USE Chinook

```
/*
1. Display FirstName and LastName from the Employee table where
the ReportsTo column isn't null.
*/
```

```
SELECT
    FirstName
    ,LastName
FROM Employee
WHERE ReportsTo IS NOT NULL
```

```
/*
2. Display all customers in the Customer table that do not live
in the state California.
*/
```

```
SELECT *
FROM Customer
WHERE State <> 'CA'
OR State IS NULL
```

```
/*
3. Display all records in the Invoice table that have an
InvoiceDate between April 1st 2010 and May 1st 2010.
*/
```

```
SELECT *
FROM Invoice
WHERE InvoiceDate BETWEEN '4/1/2010' AND '5/1/2010'
```

```
/*
4. Display the Title and AlbumId from the Album table
where the title starts with the word "The".
*/
```

```
SELECT
    Title
    ,AlbumId
FROM Album
WHERE Title LIKE 'The%'
```

```
/*
5. Find all records from the Album table where the
title doesn't start with the letters A through Z.
*/
```

```
SELECT *
FROM Album
WHERE Title LIKE '[^A-Z]%'
```

```
/*
6. Display CustomerId, BillingCity, BillingCountry and InvoiceDate from the
Invoice table where the BillingCountry is equal to Canada, Germany, France
Spain or India. Order the records by InvoiceDate in descending order.
*/
```

```
SELECT CustomerId, BillingCity, BillingCountry, InvoiceDate
FROM Invoice
WHERE BillingCountry IN('Canada','Germany','France','Spain','India')
ORDER BY InvoiceDate DESC
```

```

/*
7.    Display all records in the Album table where the artist associated with the
      album has a name containing the word "Black".
      Hint: You will need to use the Artist table.
      2nd Hint: There are 3 artists with the word "Black" in their name.
*/
SELECT *
FROM Album
WHERE ArtistId IN(
    SELECT ArtistId
    FROM Artist
    WHERE Name LIKE '%Black%')

--OR
SELECT *
FROM Album AS AL
WHERE Exists (
    SELECT *
    FROM Artist A
    WHERE A.ArtistId = AL.ArtistId
    AND Name LIKE '%Black%')

/*
8.    Display all records in the Track table that do not have an invoice.
      Hint: You will need to use the InvoiceLine table.
*/
SELECT *
FROM Track T
WHERE NOT EXISTS(
    SELECT *
    FROM InvoiceLine IL
    WHERE IL.TrackId = T.TrackId)

--OR
SELECT *
FROM TRACK
WHERE TrackId NOT IN(
    SELECT TrackId
    FROM InvoiceLine)

/*
9.    Display all records from the Track table where the MediaTypeId equals 5
      and the GenreId is not equal to 1, or the Composer is Gene Simmons.
*/
SELECT *
FROM Track
WHERE (MediaTypeId = 5 AND GenreId <> 1)
    OR Composer = 'Gene Simmons'

/*
10.   Display all records from the Track table where the AlbumId equals 237
      and the Composer column contains the name Dylan or Hendrix.
      Hint: You should return 3 rows.
*/
SELECT *
FROM Track
WHERE AlbumId = 237
AND (Composer LIKE '%Dylan%' OR Composer Like '%Hendrix%')

```