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/*
These are the answers to the Introduction to SELECT Statements homework.
Your syntax does not have to match mine exactly. What is important
is that the result sets are the same.
*/

USE Chinook

--1. Display all columns and rows from the Employee table.
SELECT *
FROM Employee

--2. Display FirstName, LastName and Email columns from the Employee table.
SELECT
    FirstName
    ,LastName
    ,Email
FROM Employee

/*
3. Display Name, Composer and AlbumId from the Track table.
Only return rows whose AlbumId is equal to 19.
*/
SELECT
    Name
    ,Composer
    ,AlbumId
FROM Track
WHERE AlbumId = 19

/*
4. Display Name, Composer and AlbumId from the Track table.
Create an Alias for the Name column called "Track Title".
Only return rows whose AlbumId is equal to 19.
Order the rows by Composer then Name, both in ascending order.
*/
SELECT
    Name AS [Track Title]
    ,Composer
    ,AlbumId
FROM Track
WHERE AlbumId = 19
ORDER BY Composer, Name

/*
5. Display BillingCountry, BillingCity and Total from the Invoice table.
Only display the top 5 rows.
Only return rows where the BillingCountry column is not equal to "USA".
Order the rows by Total in descending order.
*/
SELECT TOP 5
    BillingCountry
    ,BillingCity
    ,Total

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FROM Invoice
WHERE BillingCountry <> 'USA'
ORDER BY Total DESC
```

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/*
6.    Display State and Country from the Customer table.
      Only return distinct rows.
      Only return rows where the Country column is equal to "USA".
*/
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SELECT DISTINCT
    State
    ,Country
FROM Customer
WHERE Country = 'USA'
```

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/*
7.    Display CustomerId, BillingCity, BillingPostalCode and Total from the Invoice
table.
      Only return rows where the BillingCountry equals "Germany" and the Total column is
greater than 5.
      Order by CustomerId ascending, then Total descending.
*/
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```
SELECT
    CustomerId
    ,BillingCity
    ,BillingPostalCode
    ,Total
FROM Invoice
WHERE BillingCountry = 'Germany'
      AND Total > 5
ORDER BY CustomerId, Total DESC
```

```
/*
8.    Display Country and State from the Customer table.
      Only return the top 20 rows.
      Only return distinct rows.
      Assign Country the alias "Country Name" and State the alias "State or Region".
      Order by Country then State in ascending order.
*/
```

```
SELECT DISTINCT TOP 20
    Country AS [Country Name]
    ,State AS [State or Region]
FROM Customer
ORDER BY Country, State
```

```
/*
9.    Display AlbumId, MediaTypeId and Name from the Track table.
      Only return rows with an AlbumId less than or equal to 5, or a MediaTypeId equal
to 2.
      Order by AlbumId ascending.
*/
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SELECT
    AlbumId
    ,MediaTypeId
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        ,Name
FROM Track
WHERE AlbumId <= 5
      OR MediaTypeId = 2
ORDER BY AlbumId
```

```
/*
10.    Display AlbumId, Name, Milliseconds and UnitPrice from the Track table.
       Only return rows that have an AlbumId = 5 and Milliseconds > 300000, or have a
UnitPrice greater than 0.99.
       Order by AlbumId, and Milliseconds in ascending order.
*/
```

```
SELECT
    AlbumId
    ,Name
    ,Milliseconds
    ,UnitPrice
FROM Track
WHERE (AlbumId = 5 AND Milliseconds > 300000)
      OR UnitPrice > 0.99
ORDER BY AlbumId, Milliseconds
```