PRIMERA PARTE

1. Muestra los clientes de brasil\*

select \* from customers where Country = "Brazil"

2. Muestrame los empleados que son agentes de ventas\*

select distinct title from employees;

select \* from employees where title = "Sales Support Agent";

3. Muestrame las canciones de ‘AC/DC’

SELECT TrackId,

Name,

AlbumId,

MediaTypeId,

GenreId,

Composer,

Milliseconds,

Bytes,

UnitPrice

FROM tracks

WHERE AlbumId IN (SELECT AlbumID FROM albums

WHERE ArtistID IN (SELECT ArtistId

FROM artists

WHERE Name = "AC/DC"));

4. Muestra los clientes que no sean de USA: Nombre completo, ID, Pais\*

select FirstName || ' ' || LastName AS 'Nombre Completo', CustomerID, Country

from customers where Country != "USA";

select FirstName || ' ' || LastName AS 'Nombre Completo', CustomerID, Country

from customers where Country <> "USA";

5. Muestrame los empleados que son agentes de ventas: Nombre completo, Dirección (Ciudad, Estado, Pais) y email

select FirstName || ' ' || LastName as 'Nombre Completo', City || ' ' || State || ' ' || Country as 'Dirección' , Email from employees where title = "Sales Support Agent";

6. Muestra una lista con los paises que aparecen a los que se ha facturado, la lista no debe contener paises repetidos\*

SELECT DISTINCT BillingCountry

FROM invoices;

7. Muestra una lista con los estados de USA de donde son los clientes, la lista no debe contener estados repetidos

SELECT DISTINCT State

FROM customers

WHERE Country = 'USA';

8. Cuantos articulos tiene la factura 37\*

SELECT COUNT(InvoiceLineId)

FROM invoice\_items

WHERE InvoiceId == 37;

9. Cuantas canciones tiene ‘AC/DC’

SELECT COUNT(TrackId)

FROM tracks

WHERE AlbumId IN (SELECT AlbumID FROM albums

WHERE ArtistID IN (SELECT ArtistId

FROM artists

WHERE Name = "AC/DC"));

10. Cuantos articulos tiene cada factura\*

SELECT InvoiceId, COUNT(InvoiceLineId) AS ‘Num Articulos’

FROM invoice\_items

GROUP BY InvoiceId;

11. Muestrame cuantos facturas hay de cada pais

SELECT BillingCountry, COUNT(InvoiceId) Facturas

FROM invoices

GROUP BY BillingCountry

ORDER BY Facturas DESC, BillingCountry ASC;

12. Cuantas facturas ha habido en 2009 y 2011\*

SELECT COUNT(InvoiceId)

FROM invoices

WHERE InvoiceDate LIKE '2009%' OR InvoiceDate LIKE '2011%';

13. Cuantas facturas ha habido entre 2009 y 2011\*

SELECT COUNT(InvoiceId)

FROM invoices

WHERE SUBSTRING(InvoiceDate, 1, 4) BETWEEN '2009' AND '2011';

SELECT COUNT(InvoiceId)

FROM invoices

WHERE InvoiceDate BETWEEN '2009-01-01' AND '2011-12-31';

14. Cuantos clientes hay de españa y de Brazil

select COUNT(CustomerId) from customers where Country IN ('Spain', 'Brazil');

15. Muestrame las canciones que su titulo empieza por ‘You’

SELECT Name

FROM tracks

WHERE Name LIKE 'You%';

SEGUNDA PARTE

1. Facturas de Clientes de Brasil, Nombre del cliente, Id de factura, fecha de la factura y el pais de la factura\*

SELECT InvoiceId,

r.FirstName || ' ' || r.LastName AS 'Nombre',

BillingCountry

FROM invoices l

INNER JOIN customers r ON

r.CustomerId == l.CustomerId

WHERE l.BillingCountry == 'Brazil' ;

2. Facturas de Clientes de Brasil\*

SELECT InvoiceId,

r.FirstName || ' ' || r.LastName AS 'Nombre',

BillingCountry,

r.Country

FROM invoices l

INNER JOIN customers r ON

r.CustomerId == l.CustomerId

WHERE r.Country == 'Brazil';

3. Muestra cada factura asociada a cada agente de ventas con su nombre completo\*

SELECT e.FirstName || ' ' || e.Lastname as 'Nombre completo', i.\*

FROM invoices i

JOIN customers c ON i.CustomerId == c.CustomerId

JoIN employees e ON c.SupportRepID == e.EmployeeId

4. Muestra el nombre del cliente, el pais, el nombre del agente y el total

SELECT c.FirstName || ' ' || c.Lastname as 'Nombre completo cliente', c.Country, e.FirstName || ' ' || e.Lastname as 'Nombre completo agente', i.Total

FROM invoices i

JOIN customers c ON i.CustomerId == c.CustomerId

JoIN employees e ON c.SupportRepID == e.EmployeeId

5. Muestra cada articulo de la factura con el nombre de la cancion

SELECT it.\*, tr.Name

FROM invoice\_items it

JOIN tracks tr ON it.TrackId == tr.TrackId

6. Muestra todas las canciones con su nombre, formato, album y genero

SELECT tr.Name AS Track, m.Name as Media, a.Title AS Album, g.Name as Genre

FROM tracks tr

JOIN media\_types m ON tr.MediaTypeId == m.MediaTypeId

JOIN albums a ON tr.AlbumId == a.AlbumId

JOIN genres g ON tr.GenreId == g.GenreId

7. Muestra cuantas canciones hay en cada playlist y el nombre de cada playlist

SELECT p.Name as Playlist, COUNT(ptr.PlaylistId) AS 'Num. coplas'

FROM playlist\_track ptr

JOIN playlists p ON ptr.PlaylistId == p.PlaylistId

GROUP BY ptr.PlaylistId;

Corregido

SELECT p.Name as Playlist, COUNT(ptr.PlaylistId) AS Tracks

FROM playlists p

LEFT JOIN playlist\_track ptr ON ptr.PlaylistId == p.PlaylistId

GROUP BY p.PlaylistId

ORDER BY Tracks DESC;

8. Muestra cuánto ha vendido cada empleado

SELECT e.FirstName || e.LastName AS Empleado, SUM(i.Total)

FROM invoices i

JOIN customers c ON i.CustomerId == c.CustomerId

JOIN employees e ON c.SupportRepId == e.EmployeeId

GROUP BY e.EmployeeId;

9. Quien ha sido el agente de ventas que más ha vendido en 2009?

SELECT e.FirstName || ' ' || e.LastName AS Empleado, SUM(i.Total) AS Total

FROM invoices i

JOIN customers c ON i.CustomerId == c.CustomerId

JOIN employees e ON c.SupportRepId == e.EmployeeId

WHERE i.InvoiceDate LIKE '2009%'

GROUP BY e.EmployeeId

ORDER BY SUM(i.Total) DESC

LIMIT 1;

10. Quienes son los 3 grupos que más han vendido?

SELECT at.Name, ROUND(SUM(it.UnitPrice \* it.Quantity),2) AS Total

FROM invoice\_items it

JOIN tracks tr ON it.TrackId == tr.TrackId

JOIN albums a ON tr.AlbumId == a.AlbumId

JOIN artists at ON a.ArtistId == at.ArtistId

GROUP BY at.Name

ORDER BY Total DESC

LIMIT 3;