1. ﻿ Total Spent Per Country

SELECT I.BillingCountry, SUM(total) AS Spending

FROM artist ar

JOIN album aL

ON ar.ArtistId=al.ArtistId

JOIN track t

ON t.AlbumId = al.AlbumId

JOIN invoiceline ILine

ON ILine.trackID=t.TrackId

JOIN invoice I

ON i.invoiceid=ILine.invoiceid

GROUP BY 1

ORDER BY 2 DESC;

1. Top 50 Artist Earned Most and in Which Genre?

﻿SELECT ar.name,g.name,SUM(ILine.UnitPrice \* ILine.Quantity) AS Earnings

FROM artist ar

JOIN album aL

ON ar.ArtistId=al.ArtistId

JOIN track t

ON t.AlbumId = al.AlbumId

JOIN invoiceline ILine

ON ILine.trackID=t.TrackId

JOIN invoice I

ON i.invoiceid=ILine.invoiceid

JOIN Genre g

ON g.GenreId = t.GenreId

GROUP BY 1

ORDER BY 3 DESC

LIMIT 10;

1. What’s the biggest customer for TV show

SELECT g.name, c.firstname, c.lastname, SUM(i.total) AS Earnings

FROM track t

JOIN invoiceline ILine

ON ILine.trackID=t.TrackId

JOIN invoice I

ON i.invoiceid=ILine.invoiceid

JOIN Genre g

ON g.genreid=t.genreid

JOIN customer c

ON c.CustomerId = i.CustomerId

GROUP BY 1,2,3

HAVING g.name = 'TV Shows'

ORDER BY 4 DESC

LIMIT 10;

4. How many ARTIST earn more than 100 (Top Earners), 50-100 (Standard Earners) and under 50 (Under Earners)

SELECT ar.name, SUM(ILine.UnitPrice \* ILine.Quantity) AS EARNINGS,

CASE WHEN SUM(ILine.UnitPrice \* ILine.Quantity) >=100 THEN 'Top\_earners'

WHEN SUM(ILine.UnitPrice \* ILine.Quantity)> 50 AND SUM(ILine.UnitPrice \* ILine.Quantity)<100 THEN 'Standard\_earners'

ELSE 'Under\_earners'

END AS category

FROM artist ar

JOIN album aL

ON ar.ArtistId=al.ArtistId

JOIN track t

ON t.AlbumId = al.AlbumId

JOIN invoiceline ILine

ON ILine.trackID=t.TrackId

JOIN invoice I

ON i.invoiceid=ILine.invoiceid

JOIN Genre g

ON g.GenreId = t.GenreId

GROUP BY 1

ORDER BY 2 asc;