# Chinook Database

# Introduction

# In this project, you will query the Chinook Database. The Chinook Database holds information about a music store. For this project, you will be assisting the Chinook team with understanding the media in their store, their customers and employees, and their invoice information. To assist you in the queries ahead, the schema for the Chinook Database is provided below. You can see the columns that link tables together via the arrows.

# Diagram Description automatically generated

**Question 1: who is the Best Customer?**

SELECT (c.FirstName || " " || c.LastName) AS Customer,

SUM(i.Total) 'Total$'

FROM Invoice i

JOIN Customer c

ON i.CustomerId = c.CustomerId

GROUP BY 1

ORDER BY 2 DESC

LIMIT 10;Chart

Description automatically generated with medium confidence

**Question 2: What is the most Profitable Genre?**

SELECT g.Name AS Genre,

ROUND(SUM(il.UnitPrice \* il.Quantity), 2) AS Profit

FROM InvoiceLine il

JOIN Track t

ON t.TrackId = il.TrackId

JOIN Genre g

ON t.GenreId = g.GenreId

GROUP BY 1

ORDER BY 2 DESC

Chart, pie chart

Description automatically generatedLIMIT 10;

**Question 3: What is the Album Length distribution?**

SELECT al.Title Album,

ROUND(SUM(t.Milliseconds)/1000, 2) 'Length(sec)'

FROM Album al

JOIN Track t

ON al.AlbumId = t.AlbumId

GROUP BY 1

ORDER BY 2 DESC;

Graphical user interface

Description automatically generated

**Question 4: Who is writing the most Songs?**

SELECT ar.Name,

COUNT(t.TrackId) Songs

FROM Artist ar

JOIN Album al

ON ar.ArtistId = al.ArtistId

JOIN Track t

ON t.AlbumId = al.AlbumId

GROUP BY 1

ORDER BY 2 DESC

LIMIT 10;Chart

Description automatically generated