/\* MUSIC STORE ANALYSIS \*/

/\* 1.1.Who is the senior most employee based on job title? \*/

select title,first\_name,last\_name,levels from employee where rownum=1 order by levels desc

/\* 1.2. Which countries have the most Invoices? \*/

SELECT COUNT(\*) AS c, billing\_country

FROM invoice

GROUP BY billing\_country

ORDER BY c DESC

/\* 1.3. What are top 3 values of total invoice? \*/

select total from invoice where rownum between 1 and 3 order by total desc

/\* 1.4.Which city has the best customers? We would like to throw a promotional Music

Festival in the city we made the most money. Write a query that returns one city that

has the highest sum of invoice totals. Return both the city name & sum of all invoice \*/

select billing\_city,ht from

(select billing\_city,sum(total) ht from invoice group by billing\_city

order by ht desc) where rownum =1

/\* 1.5 Who is the best customer? The customer who has spent the most money will be

declared the best customer. Write a query that returns the person who has spent the

most money \*/

select c1.customer\_id,c.first\_name,c.last\_name

from (select customer\_id,sum(total) ht from invoice group by customer\_id

order by ht desc) c1

left join customer c

on c1.customer\_id= c.customer\_id

where rownum =1

/\* 2.1 Write query to return the email, first name, last name, & Genre of all Rock Music

listeners. Return your list ordered alphabetically by email starting with A \*/

select distinct c.email,c.first\_name,c.last\_name,g.Name

from customer c

left join invoice i

on c.customer\_id=i.customer\_id

left join invoice\_line il

on i.invoice\_id = il.invoice\_id

left join Track t

on il.track\_id = t.track\_id

left join Genre g

on t.genre\_id = g.genre\_id

where g.Name = 'Rock'

order by c.email

/\* 2.2 Count the number of tracks in each playlist. \*/

select distinct p.name,pt.playlist\_id,count(Track\_id) cnt

from Playlist\_track pt

left join playlist p

on pt.playlist\_id=p.playlist\_id

group by pt.playlist\_id,p.name

order by 1

/\* 2.3 Display customer id along with city and postal code who have total invoices

greater than the average invoice. \*/

select distinct c.customer\_id,c.city,c.postal\_code from customer c

left join invoice i

on c.customer\_id = i.customer\_id

group by c.customer\_id,c.city,c.postal\_code

having sum(i.total) > (select avg(total) from invoice)

order by 1

/\* 2.4 Display the top 5 genres with the highest average track unit price \*/

select \* from (

select g.name,t.genre\_Id, avg(Unit\_Price) from Track t

left join Genre g

on t.genre\_Id = g.genre\_Id

group by g.name,t.genre\_Id

order by g.name,t.genre\_Id desc)

where rownum between 1 and 5

/\* 2.5 List the tracks with a length greater than 5 minutes. \*/

select distinct track\_id,name from track

where (milliseconds/60000)>5

/\* 2.6 Find the top 5 cities from which lowest of all purchases have been made. \*/

select \* from (

select c.city,sum(total) tot from invoice i

left join customer c

on i.customer\_id = c.customer\_id

group by c.city

order by tot)

where rownum between 1 and 5

/\* 2.7 Display the top 3 artists who have the most tracks in the 'Pop' genre. \*/

select \* from (

select at.name,count(t.track\_id) cnt from track t

left join genre g

on t.genre\_id = g.genre\_id

left join album a

on t.album\_id = a.album\_id

left join artist at

on a.artist\_id = at.artist\_id

where upper(g.name)='POP'

group by at.name

order by cnt desc)

where rownum between 1 and 3

/\* 2.8 Identify the tracks that are not present in any playlist. \*/

select pt.playlist\_id,t.track\_name from track t

left join playlist\_track pt

on t.track\_id = pt.track\_id

where pt.playlist\_id is null

/\* 2.9 Retrieve all employee who have joined the store in their birth month. \*/

select first\_name,last\_name from employee

where to\_char(hire\_date,'mon') = to\_char(to\_date(substr(birthdate,1,10),'dd-mm-yyyy'),'mon')