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/* Q1: Who is the senior most employee based on job title? */

select * from employee

select top 1 first_name ,title from employee
order by levels desc

/* Q2: Which countries have the most Invoices? */

select * from invoice

select top 1 count(invoice_id) as c,billing_country from invoice
group by billing_country order by c desc

/* Q3: What are top 3 values of total invoice? */

select top 3 total from invoice order by total desc

/* Q4: 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 totals */

select * from invoice

select top 1 billing_city,sum(total)as T from invoice
group by billing_city order by T desc

/* Q5: 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 * from customer
select * from invoice

select top 1 customer.customer_id,customer.first_name,sum(invoice.total)as T
from customer inner join invoice
on customer.customer_id = invoice.customer_id
group by customer.customer_id,customer.first_name
order by T desc

```

/* Q6: 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 * from genre
select * from customer
```

```
select distinct
customer.email, customer.first_name, customer.last_name, genre.name
from customer
join invoice on customer.customer_id = invoice.invoice_id
join invoice_line on invoice_line.invoice_id = invoice.invoice_id
join track on track.track_id = invoice_line.invoice_id
join genre on genre.genre_id = track.genre_id
where genre.name like 'Rock'
order by email
```

/* Q7: Let's invite the artists who have written the most rock music in our dataset.

Write a query that returns the Artist name and total track count of the top 10 rock bands. */

```
select * from artist
select * from genre
select * from track
```

```
select top 10 artist.name as Artist_Name , COUNT(track.track_id) as Total
from artist
inner join album on artist.artist_id = album.artist_id
inner join track on track.album_id = album.album_id
inner join genre on genre.genre_id = track.genre_id
where genre.name like 'Rock'
group by artist.name, genre.name
order by Total desc
```

/* Q8: Return all the track names that have a song length longer than the average song length.

Return the Name and Milliseconds for each track.

Order by the song length with the longest songs listed first. */

```
select * from track
```

```
select name as Track_name, milliseconds as Song_Length from track
where milliseconds > (select avg(milliseconds) from track)
order by Song_Length desc
```