NOTE - Replace 'propane-ground-386006.Music_store' with your dataset name in all the queries

```
/* Q1: Find how much amount spent by each customer on artists? Write a query to return customer name, artist name and
total spent */
WITH highest sell AS (
  SELECT
    artist.artist id AS ID,
    artist.name AS artist name,
    ROUND(SUM(invoice line.unit price*invoice line.quantity),2) AS total sales
  FROM
    propane-ground-386006.Music_store.artist AS artist
  JOIN
    propane-ground-386006. Music store.album AS album ON album.artist id=artist.artist id
    propane-ground-386006.Music_store.track AS track ON track.album_id=album.album_id
    propane-ground-386006.Music_store.invoice_line AS invoice_line ON invoice_line.track_id=track.track_id
  GROUP BY
    ID, artist name
  ORDER BY
    total_sales DESC
  LIMIT 1
SELECT
  CONCAT(customer.first_name," ",customer.last_name) AS Customer_Name,
  hs.artist_name,
  ROUND(SUM(invoice line.unit price*invoice line.quantity),2) AS amount spent
  propane-ground-386006. Music store.customer AS customer
    propane-ground-386006. Music store.invoice AS invoice ON invoice.customer id=customer.customer id
  JOIN
    propane-ground-386006.Music_store.invoice_line AS invoice_line ON invoice_line.invoice_id=invoice.invoice_id
  JOIN
    propane-ground-386006. Music store.track AS track ON track.track id = invoice line.track id
    propane-ground-386006.Music_store.album AS album ON album.album_id=track.album_id
    highest_sell hs ON hs.ID=album.artist_id
GROUP BY
  Customer_Name, hs.artist_name
ORDER BY
  amount_spent DESC
```

Result of the query -

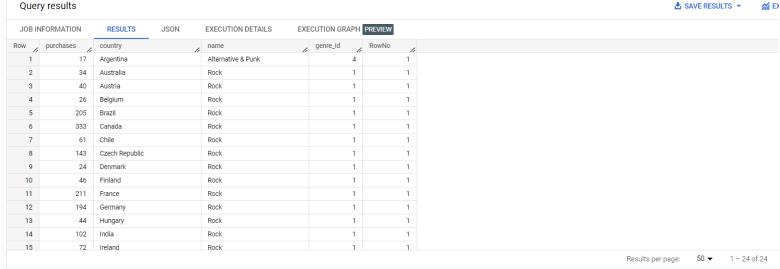
Query results

Row	Customer_Name	artist_name	amount_spent
1		Queen	27.72
2	Niklas Schröder	Queen	18.81
3	François Tremblay	Queen	17.82
4	João Fernandes	Queen	16.83
5	Phil Hughes	Queen	11.88
6	Marc Dubois	Queen	11.88
7	Ellie Sullivan	Queen	10.89
8	Lucas Mancini	Queen	10.89
9	František Wichterlová	Queen	3.96
10	Dan Miller	Queen	3.96
11	John Gordon	Queen	2.97
12	Martha Silk	Queen	2.97
13	Steve Murray	Queen	2.97
14	Luís Gonçalves	Queen	1.98

▲ SAVE RESULTS ▼

```
/* Q2: We want to find out the most popular music Genre for each country. We determine the most popular genre as the
genre with the highest amount of purchases. Write a query that returns each country along with the top Genre. For cou
ntries where the maximum number of purchases is shared return all Genres. */
-- Method 1 (using CTE)
WITH popular_genre AS (
 SELECT
    COUNT(invoice_line.quantity) AS purchases,
    customer.country,genre.name,genre.genre_id,
    ROW_NUMBER() OVER(PARTITION BY customer.country ORDER BY COUNT(invoice_line.quantity)DESC) AS RowNo
    propane-ground-386006.Music_store.invoice_line AS invoice_line
  JOIN
    propane-ground-386006.Music_store.invoice AS invoice ON invoice.invoice_id = invoice_line.invoice_id
   propane-ground-386006.Music_store.customer AS customer ON customer_id=invoice.customer_id
   propane-ground-386006.Music_store.track AS track ON track.track_id=invoice_line.track_id
  JOTN
    propane-ground-386006.Music_store.genre AS genre ON genre.genre_id=track.genre_id
  GROUP BY 2, 3, 4
  ORDER BY 2 ASC, 1 DESC
SELECT * FROM popular_genre WHERE RowNo <=1</pre>
```

Result of the query -



Result of the query -

JOB II	NFORMATION	RESULTS JSON	EXECUTION DETAILS EX	KECUTION GRAPH PREVIEW			
Row /	customer_id //	first_name		billing_country	total_spending	RowNo /	
1	56	Diego	Gutiérrez last_name	Argentina	39.6	1	
2	55	Mark	Taylor	Australia	81.18	1	
3	7	Astrid	Gruber	Austria	69.3	1	
4	8	Daan	Peeters	Belgium	60.3899999	1	
5	1	Luís	Gonçalves	Brazil	108.899999	1	
6	3	François	Tremblay	Canada	99.99	1	
7	57	Luis	Rojas	Chile	97.0200000	1	
8	5	František	Wichterlová	Czech Republic	144.540000	1	
9	9	Kara	Nielsen	Denmark	37.6199999	1	
10	44	Terhi	Hämäläinen	Finland	79.2	1	
11	42	Wyatt	Girard	France	99.99	1	
12	37	Fynn	Zimmermann	Germany	94.0500000	1	
13	45	Ladislav	Kovács	Hungary	78.21	1	
14	58	Manoj	Pareek	India	111.869999	1	
15	16	Hugh	O'Doilly	Iroland	114 990000	1	