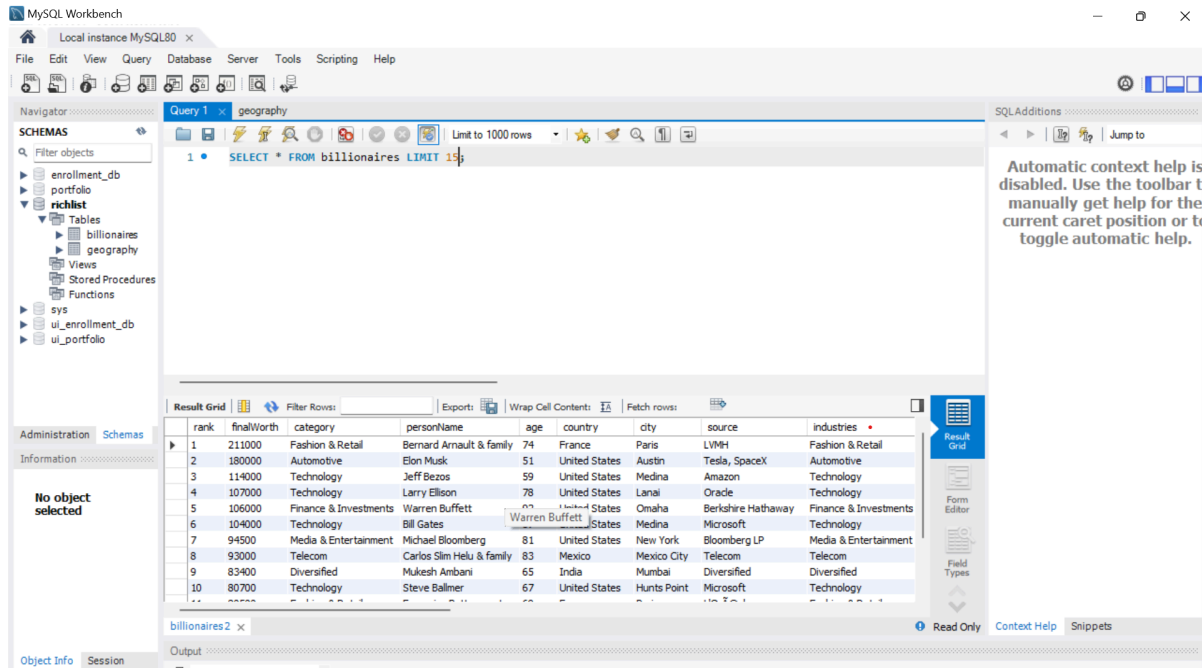


SQL PORTFOLIO - VICTOR OJO

Database Query & Analysis Skills

Tools Used: MySQL Workbench
Database: richlist (billionaires dataset)

Query1: Basic Select

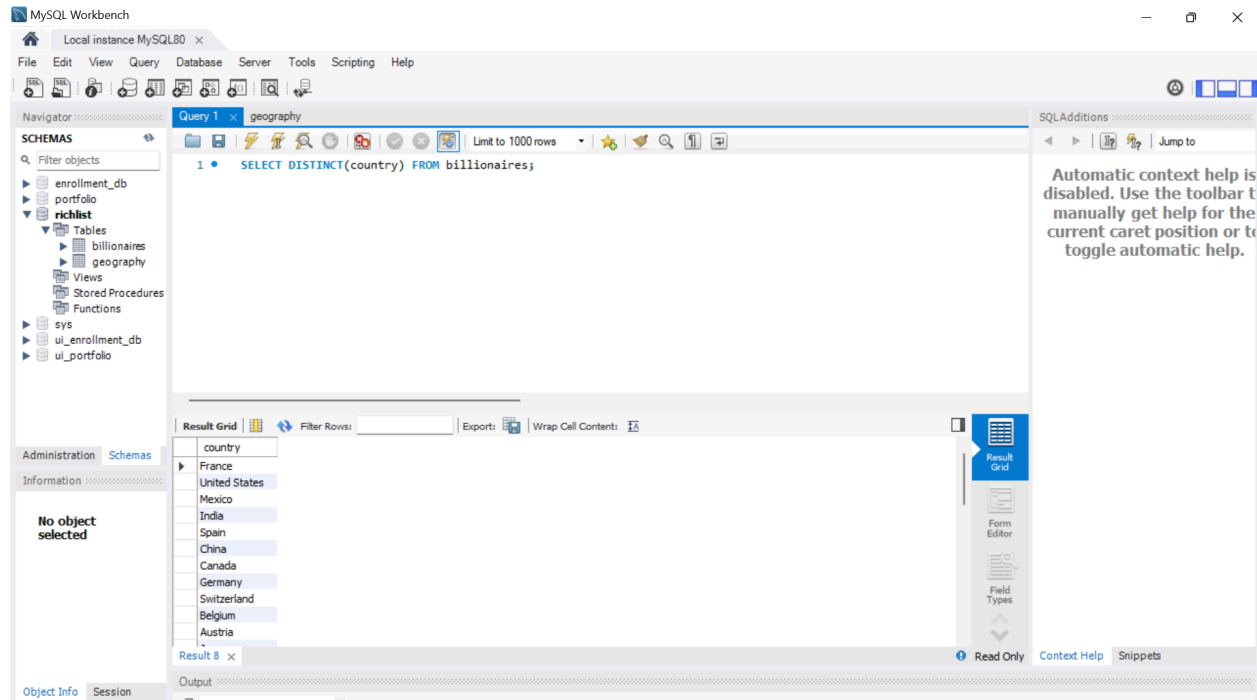


The screenshot shows the MySQL Workbench interface. The 'Query 1' window displays the SQL query: `SELECT * FROM billionaires LIMIT 15;`. The 'Result Grid' shows the first 15 records from the 'billionaires' table. The 'Navigator' on the left shows the database structure, including the 'richlist' database and the 'billionaires' table. The 'SQLAdditions' panel on the right displays a message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

rank	finalWorth	category	personName	age	country	city	source	industries
1	211000	Fashion & Retail	Bernard Arnault & family	74	France	Paris	LVMH	Fashion & Retail
2	180000	Automotive	Elon Musk	51	United States	Austin	Tesla, SpaceX	Automotive
3	114000	Technology	Jeff Bezos	59	United States	Medina	Amazon	Technology
4	107000	Technology	Larry Ellison	78	United States	Lana	Oracle	Technology
5	106000	Finance & Investments	Warren Buffett	83	United States	Omaha	Berkshire Hathaway	Finance & Investments
6	104000	Technology	Bill Gates	67	United States	Medina	Microsoft	Technology
7	94500	Media & Entertainment	Michael Bloomberg	81	United States	New York	Bloomberg LP	Media & Entertainment
8	93000	Telecom	Carlos Slim Helu & family	83	Mexico	Mexico City	Telecom	Telecom
9	83400	Diversified	Mukesh Ambani	65	India	Mumbai	Diversified	Diversified
10	80700	Technology	Steve Ballmer	67	United States	Hunts Point	Microsoft	Technology

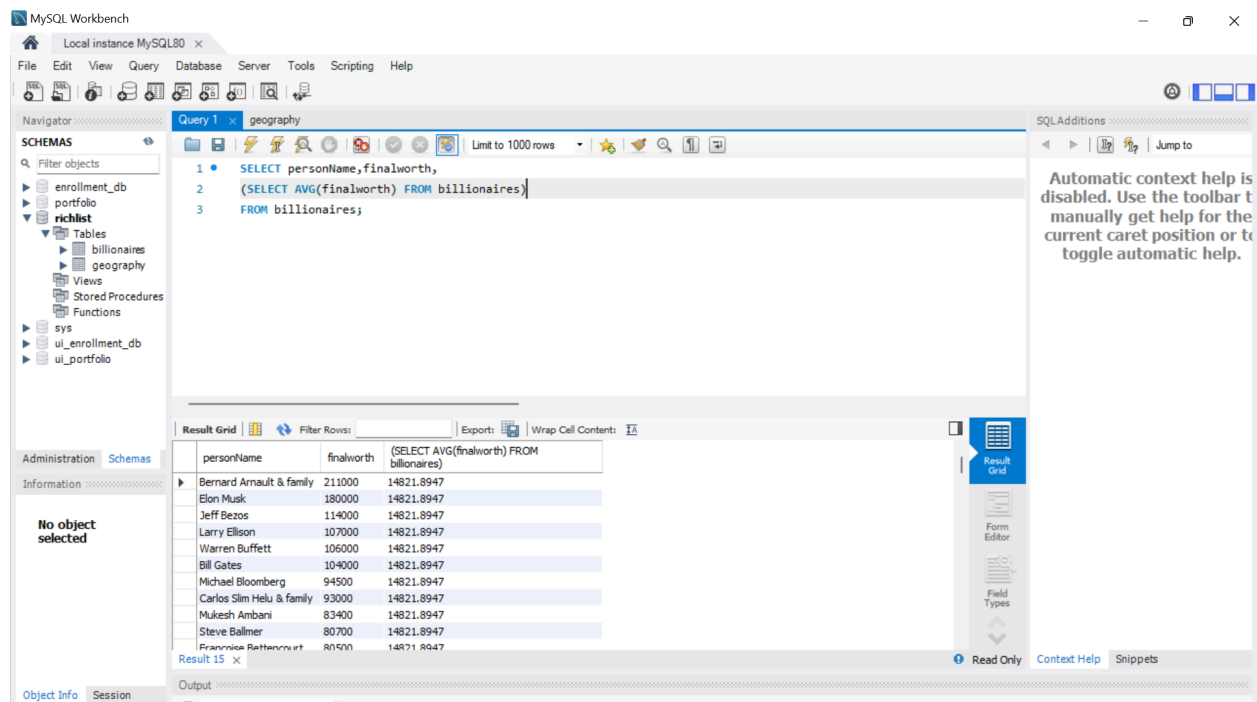
This query retrieves records from the billionaires table.

Query2: DISTINCT query



This query retrieves unique country names from the billionaires table, eliminating duplicate entries.

Query3: SUB QUERY



This query finds all billionaires whose net worth is above the average net worth of all billionaires using a nested SELECT statement.

Query4: Case Query

The screenshot shows the MySQL Workbench interface. The 'Query 1' editor displays a SQL query that selects the name and final worth of billionaires from the 'billionaires' table and categorizes them into 'low', 'medium', or 'high' wealth levels based on their net worth. The 'Result Grid' shows the output of the query, listing 14 billionaires with their names, final worth, and assigned wealth level.

```
1 SELECT personName,finalworth,
2 CASE
3   WHEN finalworth < 10000 THEN 'low'
4   WHEN finalworth BETWEEN 10000 AND 30000 THEN 'medium'
5   ELSE 'high'
6 END
7 AS wealth_level
8 FROM billionaires
```

personName	finalworth	wealth_level
Bernard Arnault & family	211000	high
Elon Musk	180000	high
Jeff Bezos	114000	high
Larry Ellison	107000	high
Warren Buffett	106000	high
Bill Gates	104000	high
Michael Bloomberg	94500	high
Carlos Slim Helu & family	93000	high
Mukesh Ambani	83400	high
Steve Ballmer	80700	high
Francoise Bettencourt...	80500	high

This query categorizes billionaires into wealth levels(Low, Medium, High) based on their net worth using conditional logic.

Query5:

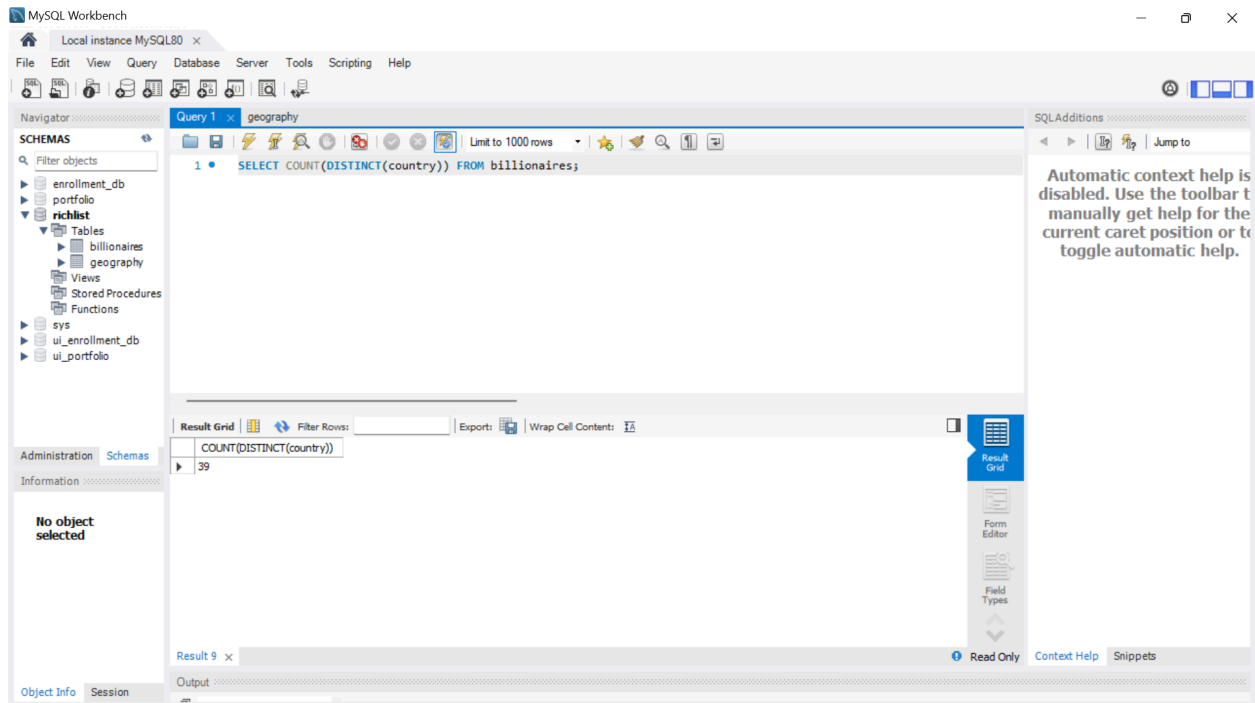
The screenshot shows the MySQL Workbench interface. The 'Query 1' editor displays a SQL query that performs an INNER JOIN between the 'billionaires' table and the 'geography' table, matching the country of the billionaire with the country name in the geography table. The 'Result Grid' shows the output of the query, listing 43 rows of data with columns for rank, final worth, category, person name, age, country, city, source, and industries.

```
1 SELECT * FROM billionaires
2 INNER JOIN geography
3 ON billionaires.country = geography.Country_Name;
```

rank	finalWorth	category	personName	age	country	city	source	industries
8	93000	Telecom	Carlos Slim Helu & family	83	Mexico	Mexico City	Telecom	Telecom
9	83400	Diversified	Mukesh Ambani	65	India	Mumbai	Diversified	Diversified
13	77300	Fashion & Retail	Amancio Ortega	87	Spain	La Coruna	Zara	Fashion & Retail
15	68000	Food & Beverage	Zhong Shanshan	68	China	Hangzhou	Beverages, pharmaceuticals	Food & Beverage
22	54400	Media & Entertainment	David Thomson & family	65	Canada	Toronto	Media	Media & Entertain
24	47200	Diversified	Gautam Adani	60	India	Ahmedabad	Infrastructure, commodities	Diversified
26	45000	Technology	Zhang Yiming	39	China	Beijing	TikTok	Technology
27	42900	Fashion & Retail	Dieter Schwarz	83	Germany	Neckarsulm	Retail	Fashion & Retail
29	39100	Logistics	Klaus-Michael Kuehne	85	Switzerland	Schindellegi	Shipping	Logistics
30	38900	Food & Beverage	Giovanni Ferrero	58	Belgium	Brussels	Nutella, chocolates	Food & Beverage
34	35300	Technology	Ma Huateng	51	China	Shenzhen	Internet media	Technology
37	34700	Food & Beverage	Mark Mateschitz	30	Austria	Salzburg	Red Bull	Food & Beverage
38	33400	Automotive	Robin Zeng	54	China	Ningde	Batteries	Automotive
39	32600	Fashion & Retail	Tadashi Yanai & family	74	Japan	Tokyo	Fashion retail	Fashion & Retail
40	32100	Diversified	Len Blavatnik	65	United Kin...	London	Music, chemicals	Diversified
43	31200	Logistics	Gianluigi Aponte	82	Switzerland	Geneva	Shipping	Logistics
43	31200	Logistics	Rafaela Aponte-Diamant	78	Switzerland	Geneva	Shipping	Logistics

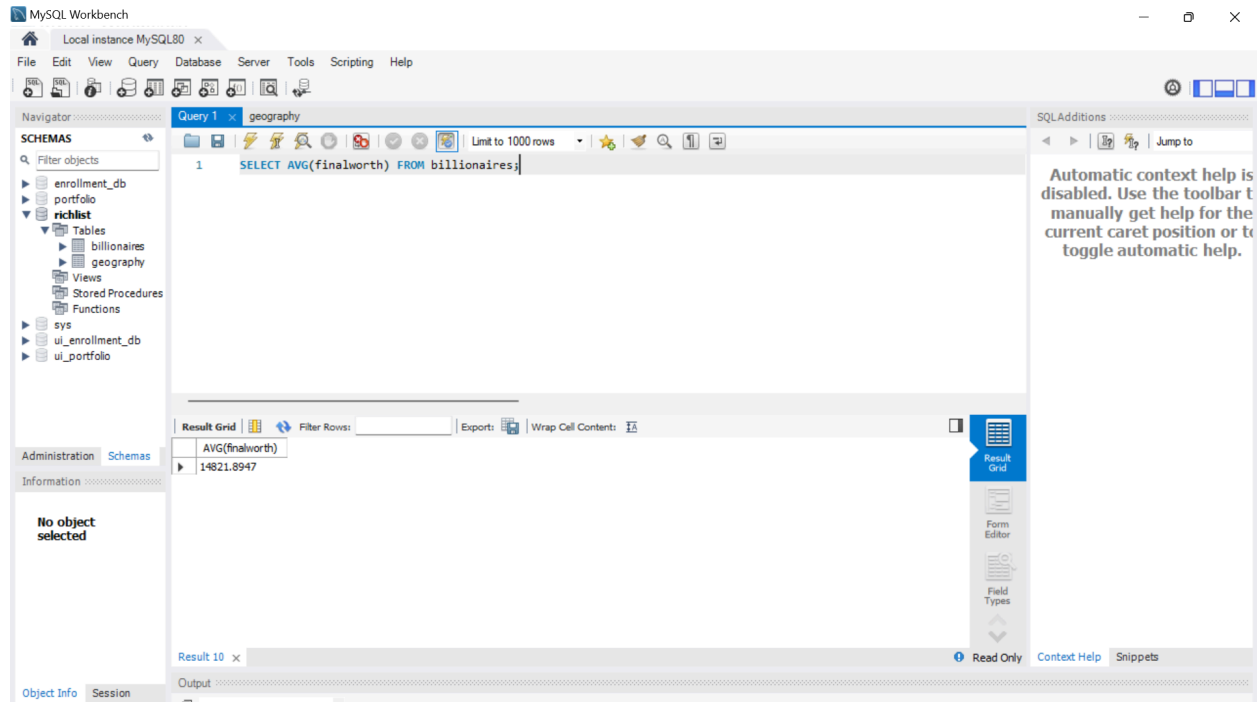
This query combines the billionaires and geography tables to display each billionaire's name alongside their continent using a JOIN operation.

Query6: Count Query



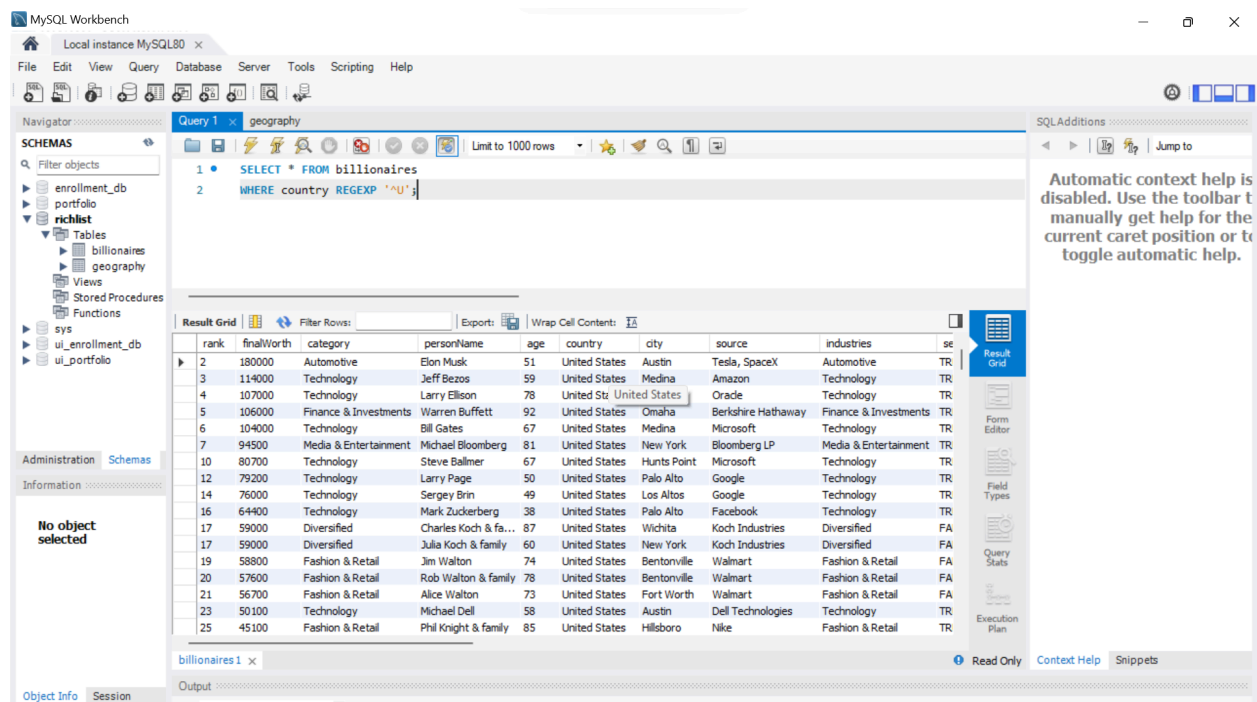
This query counts the total number of countries in the database.

Query7: Average Query



This query calculates the average net worth of all billionaires in the database.

Query8: REGXP



This query uses pattern matching to find all billionaires from countries that start with the letter 'U' (like United States, United Kingdom).