exchange_rate.csv

- 1 Currency,Rate
- 2 EUR, 0.93
- 3 GBP,0.8
- 4 INR,82.95

Exchange Rate CSV

theia@theia-skylarhayash:/home/project\$ python3.11 banks_project.py SELECT * FROM Largest_banks

SELECT * FROM Largest banks						
	Name	MC_USD_Billion	MC_GBP_Billion	\		
(JPMorgan Chase	432.92	346.34			
:	Bank of America	231.52	185.22			
2		194.56	155.65			
2	Agricultural Bank of China	160.68	128.54			
4	HDFC Bank	157.91	126.33			
	Wells Fargo	155.87	124.70			
(HSBC Holdings PLC	148.90	119.12			
	Morgan Stanley	140.83	112.66			
8		139.82	111.86			
	Bank of China	136.81	109.45			
(215.31 19204.58 2 180.94 16138.75 3 149.43 13328.41 4 146.86 13098.63 5 144.96 12929.42 5 138.48 12351.26 7 130.97 11681.85 8 130.03 11598.07 9 127.23 11348.39 6ELECT AVG(MC_GBP_Billion) FROM Largest_ban	ks				
	AVG(MC_GBP_Billion)					

151.987 0

SEL	CT Name from Largest_banks LIMIT 5	
	Name	
0	JPMorgan Chase	
1	Bank of America	
2	ndustrial and Commercial Bank of China	
3	Agricultural Bank of China	
4	HDFC Bank	

Terminal Output

Largest_banks_data.csv

- 1 ,Name,MC USD Billion,MC GBP Billion,MC EUR Billion,MC INR Billion
- 2 0,JPMorgan Chase,432.92,346.34,402.62,35910.71
- 3 1,Bank of America, 231.52, 185.22, 215.31, 19204.58
- 4 2, Industrial and Commercial Bank of China, 194.56, 155.65, 180.94, 16138.75
- 5 3,Agricultural Bank of China,160.68,128.54,149.43,13328.41
- 6 4,HDFC Bank,157.91,126.33,146.86,13098.63
- 7 5, Wells Fargo, 155.87, 124.7, 144.96, 12929.42
- 8 6, HSBC Holdings PLC, 148.9, 119.12, 138.48, 12351.26
- 9 7, Morgan Stanley, 140.83, 112.66, 130.97, 11681.85
- 10 8, China Construction Bank, 139.82, 111.86, 130.03, 11598.07
- 11 9, Bank of China, 136.81, 109.45, 127.23, 11348.39

Output CSV

code_log.txt

- 1 2025-Aug-14-17:50:02 : Preliminaries complete. Initializing ETL process.
- 2 2025-Aug-14-17:50:03 : Data extraction complete. Initializing transformation process.
- 3 2025-Aug-14-17:50:03 : Data transformation complete. Initializing loading process.
- 4 2025-Aug-14-17:50:03 : Data saved to CSV file.
- 5 2025-Aug-14-17:50:03 : SQL connection initiated.
- 6 2025-Aug-14-17:50:03 : Data loaded to database as a table. Executing queries.
- 7 2025-Aug-14-17:50:03 : Process complete.
- 8 2025-Aug-14-17:50:03 : Server connection closed.

Log File