

API_ETL.ipynb

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API

Notebook steps:

Fetch Stock Data from Alpha Vantage API:

- Define a function
 get_stock_data to retrieve
 daily stock data for a given
 symbol.
- •Use the requests library to make HTTP requests to the Alpha Vantage API.
- Handle API response and convert JSON data to a pandas DataFrame.
- Perform data preprocessing such as renaming columns, converting index to datetime, and sorting the DataFrame.
- •Create Company Data Table DataFrame:
- Define a list of stock symbols and corresponding company names.
- Create a pandas DataFrame company_data with columns for ticker symbols and company names.
- Fetch and Print Stock Data:
- Iterate over each stock symbol in the symbols list.
- Call the get_stock_data function to fetch stock data for each symbol.
- Print the fetched stock data for each symbol.

Destination: AWS RDS MySQL Database