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6C

Problem Statement: Stock Ticker Finder

The assignment involves using the NER hugging face pipeline to parse a given input text file containing financial news text to extract organisation names.

In addition to extracting organisation names, the model also extracts certain metrics (net profit, EBITDA, percentage change) about the organisation, if available in the text file.

The script also uses the Yahoo Finance API to obtain the stock tickers of the extracted organisation names.

```
1 results = process_finance_news('finance_news.txt')
2 print(f"{'Ticker':<10} | {'Organization':<28} | {'Net Profit':<15} | {'EBITDA':<12} | {'Change'}")
3 print("-" * 85)
4 for ticker, data in results.items():
5     print(f"{'ticker':<10} | {'data['Org']':<28} | {'data['Net Profit']':<15} | {'data['EBITDA']':<12} | {'data['Change']'}")
```

Ticker	Organization	Net Profit	EBITDA	Change
LS4C.DE	London Stock Exchange Group	N/A	N/A	€455 million
LSEG.L	LSEG	N/A	N/A	€455 million
EFR-USD	Federal Reserve	N/A	N/A	0.02%
LT.NS	Larsen & Toubro	N/A	N/A	4%
GLAND.BO	Gland Pharma	₹261.48 crore	1%	N/A
TDADX	TDA	₹261.48 crore	1%	N/A
ELCIDIN.BO	Elcid Investments	₹47.37 crore	N/A	N/A
SBILIFE.BO	SBI Life	N/A	N/A	22%

GitHub Link:

https://github.com/pes2ug23cs178/GenAI-PES2UG23CS178/tree/main/assignment_2