**Financial Report Automation**

**Overview**

This automated system generates comprehensive financial reports for any publicly traded company with both quarterly and annual data, including Balance Sheet, Income Statement, Cash Flow Statement, and key financial ratios.

## Features

1. **Automated Data Collection** using finance (Yahoo Finance API)
2. **Quarterly & Annual Data** - Last 3 quarters and 3 fiscal years
3. **Financial Calculations**:

* Working Capital
* Net Worth (Shareholders' Equity)
* Current Ratio, Quick Ratio & Debt/Equity
* Gross Profit Margin
* EBIT Margin
* Net Income Margin
* Percentage changes between periods
* Net Cash Flow calculations

1. **Excel Report Generation** matching exact business formate
2. **Scheduling Options** - Daily, weekly, or on-demand
3. **Error Handling** and comprehensive logging

**Install Required Packages**

Yfinance, openpyxl, pandas, numpy, schedule

**Financial Calculations formulas**

Working Capital = Current Assets - Current Liabilities

Net Worth (OE) = Total Assets - Total Liabilities

Current Ratio = Current Assets / Current Liabilities

Quick Ratio = (Current Assets – Inventories) / Current Liabilities

Debt/Equity = Total Liabilities / Net Worth (OE)

Gross Profit Margin = Gross Profit / Total Revenue

EBIT Margin = EBIT / Total Revenue

Net Income Margin = Net Income / Total Revenue