Accessing the YFinance API from RapidAPI Hub

1. Create an account on RapidAPI and log in, then go to the RapidAPI Hub.
2. Search for 'YFinance API' and subscribe to that API or use the following link to subscribe - https://rapidapi.com/davethebeast/api/yahoo-finance166.
3. Open its Endpoints page, your X-RapidAPI-Key will be shown in the sample request code.
4. Copy that key and paste it into rapid_api_key

```python
rapid_api_key = "YOUR_RAPIDAPI_KEY"
```

StockGetFinancialData Endpoint

Retrieves comprehensive company fundamentals for a given stock, including:

- Current Price, High, Low
- Revenue and revenue growth
- Cash flow and free cash flow
- Profit, operating, and EBITDA margins
- Debt levels and liquidity ratios
- Financial strength and return metrics

```python
import requests

url = "https://yahoo-finance166.p.rapidapi.com/api/stock/get-financial-data"

querystring = {"region":"US","symbol":"AAPL"}

headers = {
  "x-rapidapi-key": rapid_api_key,
  "x-rapidapi-host": "yahoo-finance166.p.rapidapi.com"
}

response = requests.get(url, headers=headers, params=querystring)

financial_data = response.json()
financial_data
```

```
{'quoteSummary': {'result': [{'financialData': {'maxAge': 86400,
    'currentPrice': {'raw': 273.67, 'fmt': '273.67'},
    'targetHighPrice': {'raw': 350, 'fmt': '350.00'},
    'targetLowPrice': {'raw': 215, 'fmt': '215.00'},
    'targetMeanPrice': {'raw': 287.70682, 'fmt': '287.71'},
    'targetMedianPrice': {'raw': 300, 'fmt': '300.00'},
    'recommendationMean': {'raw': 2, 'fmt': '2.00'},
    'recommendationKey': 'buy',
    'numberOfAnalystOpinions': {'raw': 41, 'fmt': '41', 'longFmt': '41'},
    'totalCash': {'raw': 54697000960,
     'fmt': '54.7B',
     'longFmt': '54,697,000,960'},
    'totalCashPerShare': {'raw': 3.702, 'fmt': '3.7'},
    'ebitda': {'raw': 144748003328,
     'fmt': '144.75B',
     'longFmt': '144,748,003,328'},
    'totalDebt': {'raw': 112377004032,
     'fmt': '112.38B',
     'longFmt': '112,377,004,032'},
    'quickRatio': {'raw': 0.771, 'fmt': '0.77'},
    'currentRatio': {'raw': 0.893, 'fmt': '0.89'},
    'totalRevenue': {'raw': 416161005568,
     'fmt': '416.16B',
     'longFmt': '416,161,005,568'},
    'debtToEquity': {'raw': 152.411, 'fmt': '152.41%'},
    'revenuePerShare': {'raw': 27.84, 'fmt': '27.84'},
    'returnOnAssets': {'raw': 0.22964, 'fmt': '22.96%'},
    'returnOnEquity': {'raw': 1.7142199, 'fmt': '171.42%'},
    'grossProfits': {'raw': 195201007616,
     'fmt': '195.2B',
     'longFmt': '195,201,007,616'},
    'freeCashflow': {'raw': 78862254080,
     'fmt': '78.86B',
     'longFmt': '78,862,254,080'},
    'operatingCashflow': {'raw': 111482003456,
     'fmt': '111.48B',
     'longFmt': '111,482,003,456'},
    'earningsGrowth': {'raw': 0.912, 'fmt': '91.20%'},
    'revenueGrowth': {'raw': 0.079, 'fmt': '7.90%'},
```

```
        'grossMargins': {'raw': 0.46905, 'fmt': '46.90%'},
        'ebitdaMargins': {'raw': 0.34782, 'fmt': '34.78%'},
        'operatingMargins': {'raw': 0.31647, 'fmt': '31.65%'},
        'profitMargins': {'raw': 0.26915002, 'fmt': '26.92%'},
        'financialCurrency': 'USD'}}],
   'error': None}}
```

StockGetChart Endpoint

Retrieves historical and intraday price chart data for a given stock, including:

- Open, high, low, and close (OHLC) prices
- Trading volume over time
- Intraday and historical price movements
- Price trends and momentum
- Volatility and key technical levels

```python
import requests

url = "https://yahoo-finance166.p.rapidapi.com/api/stock/get-chart"

querystring = {"region":"US","range":"1d","symbol":"AAPL","interval":"5m"}

headers = {
    "x-rapidapi-key": rapid_api_key,
    "x-rapidapi-host": "yahoo-finance166.p.rapidapi.com"
}

response = requests.get(url, headers=headers, params=querystring)

chart_data = response.json()
chart_data
```

```
{'chart': {'result': [{'meta': {'currency': 'USD',
     'symbol': 'AAPL',
     'exchangeName': 'NMS',
     'fullExchangeName': 'NasdaqGS',
     'instrumentType': 'EQUITY',
     'firstTradeDate': 345479400,
     'regularMarketTime': 1766178000,
     'hasPrePostMarketData': True,
     'gmtoffset': -18000,
     'timezone': 'EST',
     'exchangeTimezoneName': 'America/New_York',
     'regularMarketPrice': 273.67,
     'fiftyTwoWeekHigh': 288.62,
     'fiftyTwoWeekLow': 169.21,
     'regularMarketDayHigh': 274.576,
     'regularMarketDayLow': 269.9,
     'regularMarketVolume': 144632048,
     'longName': 'Apple Inc.',
     'shortName': 'Apple Inc.',
     'chartPreviousClose': 272.19,
     'previousClose': 272.19,
     'scale': 3,
     'priceHint': 2,
     'currentTradingPeriod': {'pre': {'timezone': 'EST',
       'start': 1766394000,
       'end': 1766413800,
       'gmtoffset': -18000},
      'regular': {'timezone': 'EST',
       'start': 1766413800,
       'end': 1766437200,
       'gmtoffset': -18000},
      'post': {'timezone': 'EST',
       'start': 1766437200,
       'end': 1766451600,
       'gmtoffset': -18000}},
     'tradingPeriods': {'pre': [[{'timezone': 'EST',
         'start': 1766394000,
         'end': 1766413800,
         'gmtoffset': -18000}]],
      'post': [[{'timezone': 'EST',
         'start': 1766437200,
         'end': 1766451600,
         'gmtoffset': -18000}]],
      'regular': [[{'timezone': 'EST',
         'start': 1766413800,
         'end': 1766437200,
         'gmtoffset': -18000}]]},
     'dataGranularity': '5m',
     'range': '1d',
     'validRanges': ['1d',
```

```
            '5d',
            '1mo',
            '3mo',
            '6mo',
            '1y',
            '2y',
            '5y',
```