# Blueprint for extracting the data from IEX API or Yahoo Finance's API:

* In the first step we will be creating IEX Account as it is a necessary step for getting API tokens which will help in extraction of the data with the help of Python IEX Finance Library.

**If an error comes like this:**

**### An error occurred while making the query (403): The API key provided is not valid. ##**

* This error comes because of the credits give are not enough for us to get data of many companies.
* **So Alternate method** is you can use yahoo finance’s API or you can use this library named as pip install yfinance.
* You can refer this link for further help:

1. <https://www.analyticsvidhya.com/blog/2021/06/download-financial-dataset-using-yahoo-finance-in-python-a-complete-guide/>
2. <https://www.geeksforgeeks.org/multithreaded-download-of-yahoo-stock-history-with-python-yfinance/>

* In further steps we will be using Pandas & Numpy library of the Python and with the help of IEX Finance module functions and API Tokens we will get the data from the IEX cloud for the analysis and store it in Pandas Data Frame. For e.g we can create a call to get company info and this call will be using API token and this info will be shared in data frame and similarly various information can be extracted with help of IEX finance module of Python and analysis can be done.