Install python

Follow the steps on this document to install python in ubuntu

<https://phoenixnap.com/kb/how-to-install-python-3-ubuntu>

Install

Follow the steps on this document to install kafka

<https://www.digitalocean.com/community/tutorials/how-to-install-apache-kafka-on-ubuntu-20-04>

Create two kafka topics stocks and random

~/kafka/bin/kafka-topics.sh --create --zookeeper localhost:2181 --replication-factor 1 --partitions 1 --topic random

~/kafka/bin/kafka-topics.sh --create --zookeeper localhost:2181 --replication-factor 1 --partitions 1 --topic stocks

Install required python packages

pip install PyMongo

pip install Pandas

pip install yfinance

pip install confluent-kafka

pip install matplotlib

pip install airflow

Install Airflow

Airflow installation guide

<https://hevodata.com/learn/install-airflow/>

Extract the zip file and start the airflow scheduler and server

airflow webserver -p 8080

airflow scheduler

Open localhost:8080 on web browser and login to the airflow and check the dags page.