**Project1.**

1. Read data using different methods and sources

* Read data from csv
* Read data from websites
* Read data from database
* Read data from github

1. Write data to different sources
   1. Write to csv
   2. Write to websites
   3. Write to database
   4. Write to github

2)

consider stock market data possibly

3) develop simple algorithm of macd indicators and buy sell stock signals in excel first and in python second

3) write there signal to csv, data base etc

4) develop simple api in python to write, read these signals to data base

5) combine different signals by using some machine learning method say random forest or Adaboost

6) integrate this machine learning components to already developed systems and get some familiarity about MLops.

7) Deploy the project in cloud

Project2.

1. Create jupyter project
2. Create intellij project
3. Develop this as github project

**Project3.**

Create Github project

1. Install git
2. Install github
3. Create any git project
4. From main branch create another branch, say testing
5. Testing branch make some changes
6. Commit the changes
7. Create github account, remote
8. Publish this git project to your github account

**Project4**

Replicate the project 1 from python to excel