Q1 EC2 login

**EC2 Instance created on AWS console, its up and running.**

Graphical user interface, text, application, email

Description automatically generated

**EC2 summary details to connect with SSH remote login**

Graphical user interface, text, application

Description automatically generated

**I already downloaded the key pair in putty and save it , now login with public IP address**

Graphical user interface, application

Description automatically generated

**Login Screen in putty will appear as you see EC2 AMI Banner is displaying**

A screenshot of a computer

Description automatically generated

**Type who am I, This display the machine ip and login time , In this way we are able to login successfully to our ec2 instance create on AWS.**

Text

Description automatically generated

Q2: Login System

**Folder name : login\_app contains all the files.**

Text

Description automatically generated with medium confidence

**Deploying this app to google cloud**

**>gcloud app deploy**

Text

Description automatically generated

**Deployed Successfully**

Text

Description automatically generated

**Open glcoud browse url.**

**https://nth-subset-340412.uc.r.appspot.com**

Graphical user interface, application, Word

Description automatically generated

**Navigate to login page :** [**https://nth-subset-340412.uc.r.appspot.com/login**](https://nth-subset-340412.uc.r.appspot.com/login)

Graphical user interface, application

Description automatically generated

**Try Incorrect login: test/test123. Proper error message will appear.**

Graphical user interface, text, application, email

Description automatically generated

**Now , After giving correct login admin/admin , Successful login page will appear**

Graphical user interface, text, application

Description automatically generated

**After clicking on the link “Click here to logout “ this logout page will appear**

Graphical user interface, text, application, email

Description automatically generated

**After clicking the “Click here to login now” again login page will appear**

Graphical user interface, text, application

Description automatically generated

**To run this program on the local system, navigate to project directory (login\_app) of main.py**

**Just run python command**

**>python main.py**

Text

Description automatically generated

**Launch the url :** [**http://127.0.0.1:8080**](http://127.0.0.1:8080) **on the local machine. You will see home page**

**Q3:** MapReduce-based program to display/generate a word count for each unique keyword of any given text document.

**Created two file one is mapper.py which count the number of words in file , other is reducer.py file read the output of mapper.py and sum the occurrence of each word to the final count.**

**Text

Description automatically generated**

**Content of mapper.py**

**Text

Description automatically generated**

**Content of reducer.py**

**Text

Description automatically generated**

**Content of testing.txt file**

**Text

Description automatically generated**

**In the folder where these files are located run the command**

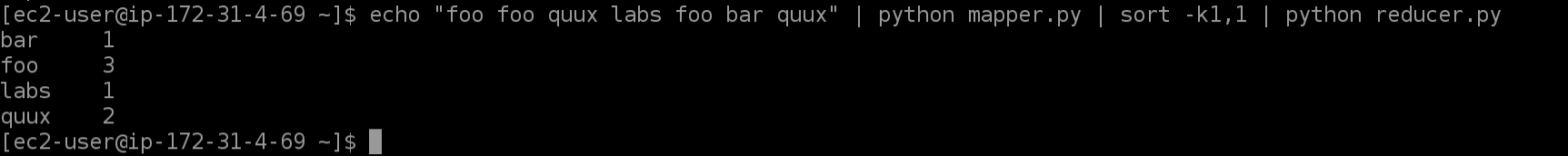
**echo "foo foo quux labs foo bar quux" | python mapper.py**

**Text

Description automatically generated**

**Pass the output of this mapper.py in the reducer.py file**

**echo "foo foo quux labs foo bar quux" | python mapper.py | sort -k1,1 | python reducer.py**

****

**Now test with given file testing.txt**

**cat testing.txt | python mapper.py | sort -k1,1**

**Text

Description automatically generated**

**cat testing.txt | python mapper.py | sort -k1,1 | python reducer.py**

**Text

Description automatically generated**