

EE3801 Lab 3 Report

Name: Yeo Meng Han

Matriculation Number: A0251772A

Submission guidelines:

- 1) Start to put your results in this report **from Page 2** onwards. You need to submit **this report** (capturing all the results and screenshots) following the order of questions. **Put question number clearly and then copy the results below.**
- 2) Pack your **report (in PDF) + your single file code + all output csv files** as a zipped file and name your file as "**EE3801_Lab3_<your_name>.zip**".
- 3) Submit all your code in a single python file. Include the question number as a comment before the snippet of code relevant to the question (refer to screenshot below). We will not be able to deduce which parts of your code is intended for a particular question if you fail to do this.

Note: Your code will be run sequentially hence you do not have to re-import or re-initialise certain variables for each part.

```
# Question 1a
randomString = "abcde"

for char in randomString:
    print(char)

#Question 1b
import time
timerCount = 10

for i in range(1,timerCount + 1):
    time.sleep(1)
    print(i)
```

Figure 1: Code Snippets with comment showing the Question number.

[START PUTTING YOUR RESULTS FROM HERE; USE ADDITIONAL PAGES AS NECESSARY]

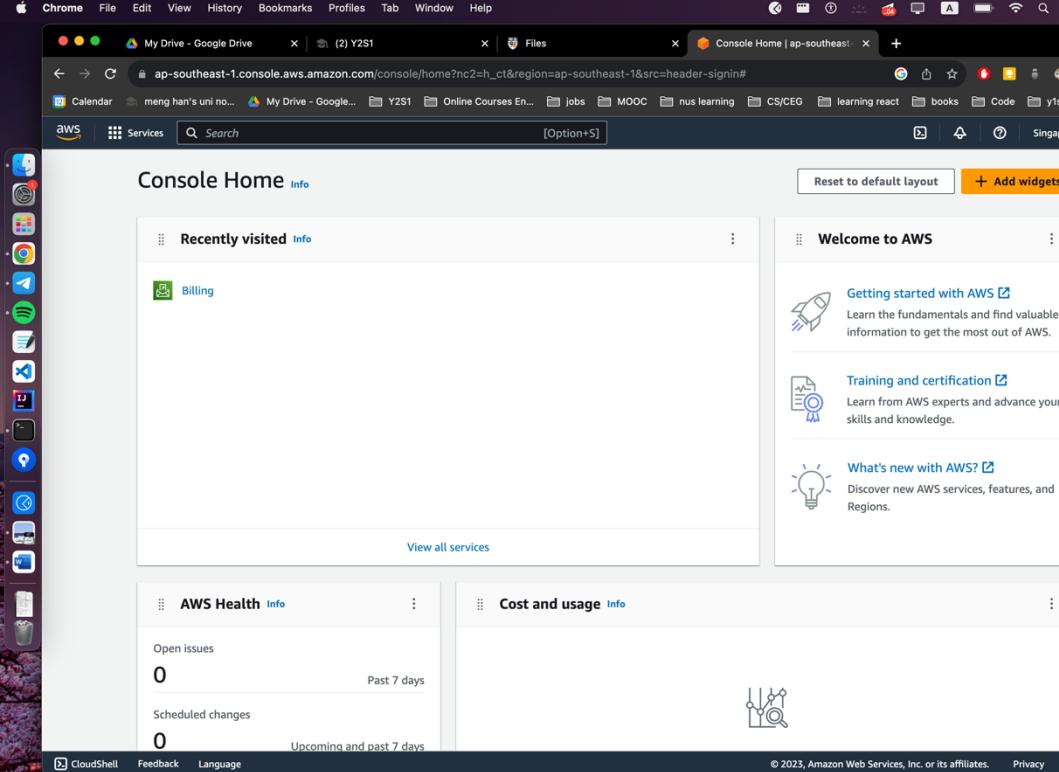
Special note:

For questions that require messages/data to be displayed/printed, indicate the question number in the print statement. Messages without a question number attached to it will not be considered.

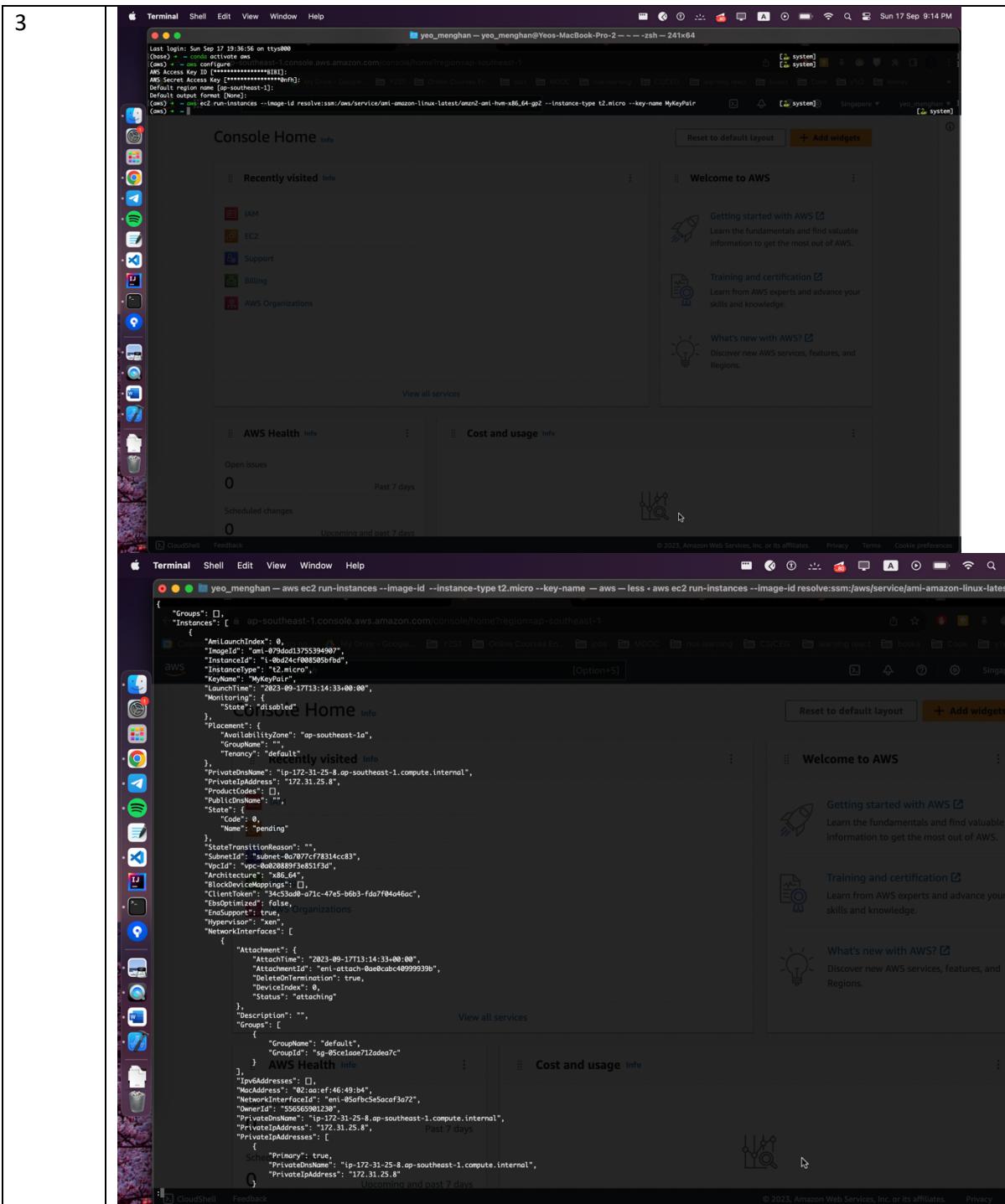
For questions that requires a new dataframe to be created, fill in the tables below with the names of each dataframe. Only dataframes recorded in this sheet will be considered.

Question	Dataframe name
2b	df
2c	filtered_df
2e	output_df

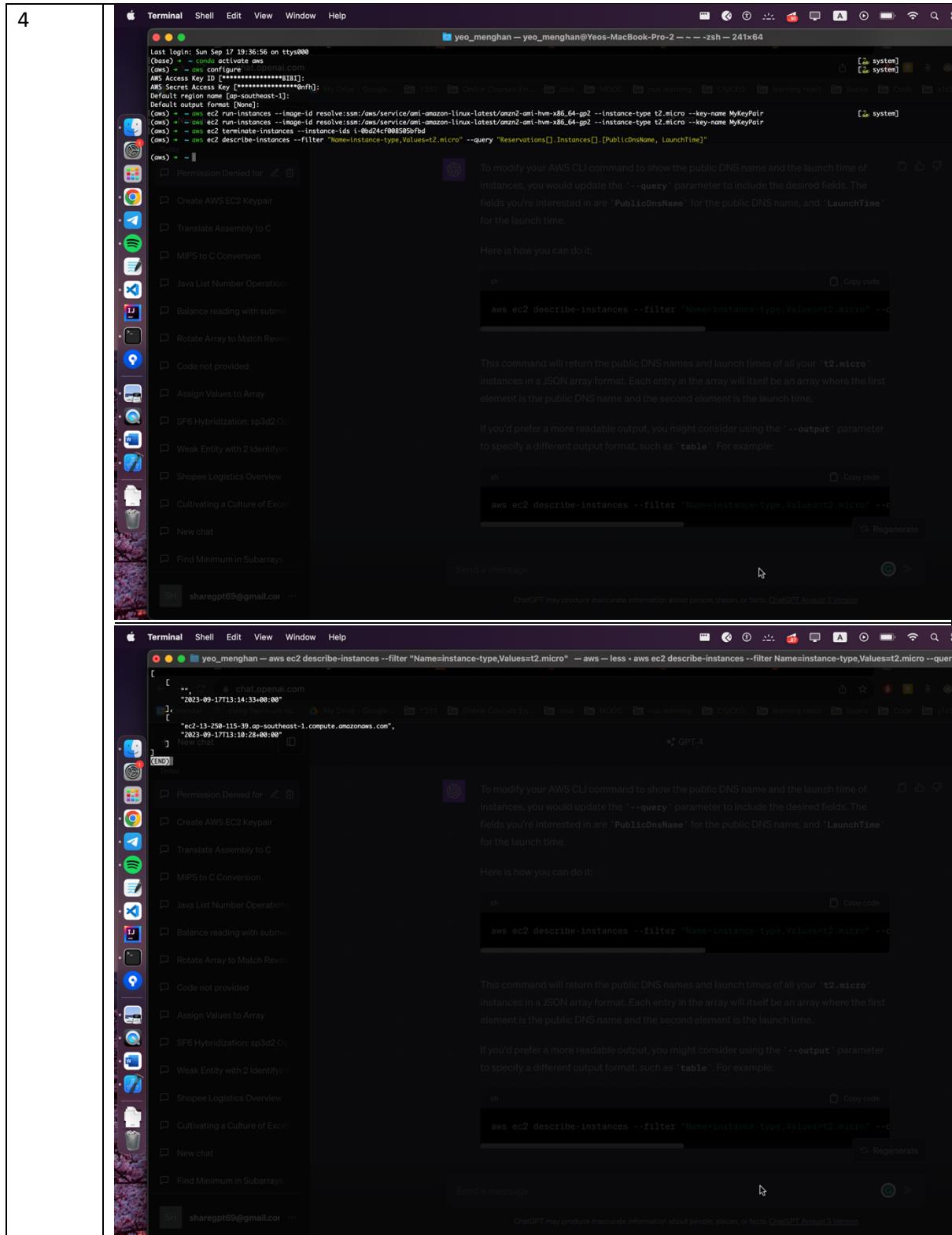
For questions that require screenshots to be created, include the screenshots in the table below. Make sure that all the necessary details are clearly displayed.

Question	Plot
1	 A screenshot of the AWS Console Home page. The top navigation bar includes 'Chrome', 'File', 'Edit', 'View', 'History', 'Bookmarks', 'Profiles', 'Tab', 'Window', and 'Help'. The main content area shows 'Recently visited' with a link to 'Billing'. On the right, there's a 'Welcome to AWS' section with links to 'Getting started with AWS', 'Training and certification', and 'What's new with AWS?'. Below this are sections for 'AWS Health' (showing 0 open issues) and 'Cost and usage'.

3



3



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```

(aws) + - ssh -l MyKeyPair.pem ec2-user@13.229.85.240
Last login: Sun Sep 17 15:07:10 2023 from 137.132.26.39
(ssm -l mykeypair.pem ec2-user@13.229.85.240)
total 126696
-rw-r--r-- 1 ec2-user ec2-user 2649582 Sep 17 14:38 FAOSTAT_Lab3_Original.csv
-rw-r--r-- 1 ec2-user ec2-user 2256 Sep 17 14:38 lab3.py
drwxr-xr-x 19 ec2-user ec2-user 1024 Sep 17 14:38 lab3
-rw-r--r-- 1 ec2-user ec2-user 103219356 Jul 13 19:01 Miniconda3-latest-Linux-x86_64.sh
-rw-r--r-- 1 ec2-user ec2-user 3184 Sep 17 14:42 output_Apples_Production.csv
-rw-r--r-- 1 ec2-user ec2-user 3161 Sep 17 14:42 output_Grapes_Yield.csv
-rw-r--r-- 1 ec2-user ec2-user 2133 Sep 17 14:43 output_Papayas_Production.csv
Output [ec2-user@ip-172-31-25-80 ~]$ ls -l
logout
Connection to 13.229.85.240 closed.
(aws) + - scp -i "MyKeyPair.pem" ec2-user@13.229.85.240:/output_Apples_Production.csv "/Users/yoemenghan/Documents/EE3801_repo/assignment_3/"
output_Apples_Production.csv                                     100% 3
(aws) + - scp -i "MyKeyPair.pem" ec2-user@13.229.85.240:/output_Grapes_Yield.csv "/Users/yoemenghan/Documents/EE3801_repo/assignment_3/"
output_Grapes_Yield.csv                                         100% 3
(aws) + - scp -i "MyKeyPair.pem" ec2-user@13.229.85.240:/output_Papayas_Production.csv "/Users/yoemenghan/Documents/EE3801_repo/assignment_3/"
output_Papayas_Production.csv                                    100% 2
(aws) + - 
python lab3.py "FAOSTAT_Lab3_Original.csv" "Apples" "Production"

```

scp ec2-user@13.229.85.240:/home/ec2-user
/Users/yoemenghan/Documents/EE3801_repo/assignment_3/from_ec2

```

Code ▾ ⌂ Link ⌂ Comment B / U S ✓ A ⌂ ...
!"/ ec2-user@13.229.85.240:/~/output_Papayas_Production.csv "/Users/yoemenghan/Documents

```

Finder File Edit View Go Window Help

```

(aws) + - ssh -l MyKeyPair.pem ec2-user@13.229.85.240
Last login: Sun Sep 17 15:07:10 2023 from 137.132.26.39
(ssm -l mykeypair.pem ec2-user@13.229.85.240)
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drwxr-xr-x 19 ec2-user ec2-user 1024 Sep 17 14:38 lab3
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output_Apples_Production.csv                                     100% 3
(aws) + - scp -i "MyKeyPair.pem" ec2-user@13.229.85.240:/output_Grapes_Yield.csv "/Users/yoemenghan/Documents/EE3801_repo/assignment_3/"
output_Grapes_Yield.csv                                         100% 3
(aws) + - scp -i "MyKeyPair.pem" ec2-user@13.229.85.240:/output_Papayas_Production.csv "/Users/yoemenghan/Documents/EE3801_repo/assignment_3/"
output_Papayas_Production.csv                                    100% 2
(aws) + - 
python lab3.py "FAOSTAT_Lab3_Original.csv" "Apples" "Production"

```

Code ▾ ⌂ Link ⌂ Comment B / U S ✓ A ⌂ ...

assignment_3

Name	Date Modified	Size	Kind
assignment_3.ipynb	14 Sep 2023 at 3:01 PM	18 KB	Document
EE3801_Lab3_A0251772A	14 Sep 2023 at 1:22 PM	365 KB	Micros...(docx)
EE3801_Lab3_AY2324...ission Template_V4.docx	13 Sep 2023 at 10:49 PM	57 KB	Micros...(docx)
EE3801_Lab3_AY2324_V4.pdf	13 Sep 2023 at 10:49 PM	541 KB	PDF Document
EE3801_Lab3_Briefing_V2.pdf	13 Sep 2023 at 10:49 PM	1.3 MB	PDF Document
FAOSTAT_Lab3_Original.csv	13 Sep 2023 at 10:48 PM	26.5 MB	CSV Document
from_ec2	Today at 10:47 PM	--	Folder
lab3.py	Today at 10:37 PM	2 KB	Python Source
output_Apples_Production.csv	Today at 11:08 PM	3 KB	CSV Document
output_Grapes_Yield.csv	Today at 11:09 PM	3 KB	CSV Document
output_Papayas_Production.csv	Today at 11:09 PM	2 KB	CSV Document

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- AirDrop
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- Documents
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iCloud

- iCloud Drive
- Shared

Tags

- Red
- Orange
- Yellow
- Green

