

Section: CPE41S1

## Prelim Exam

[illegible]

### Test A.3

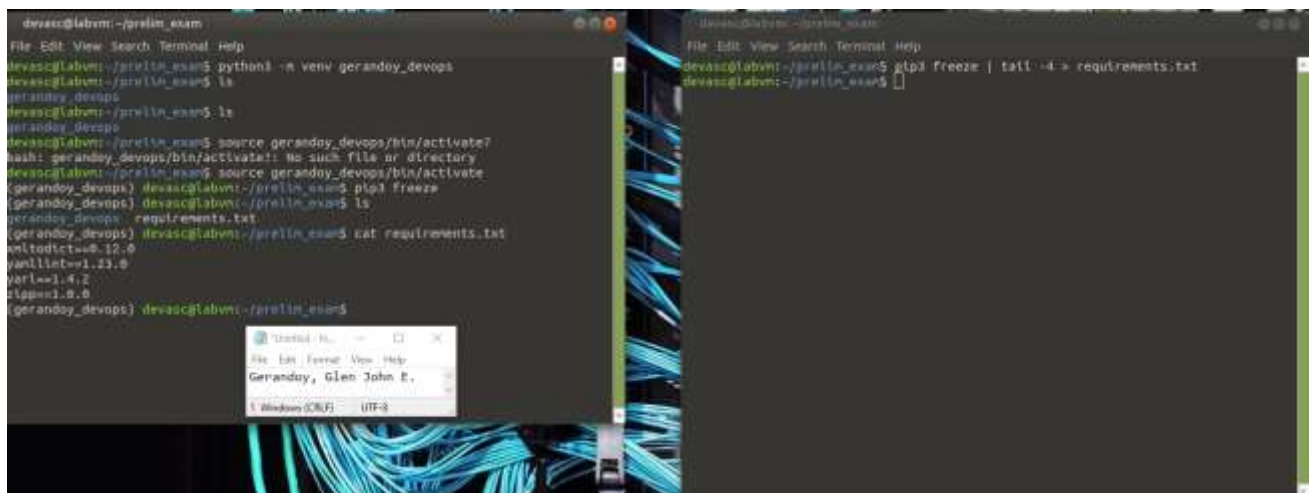


A terminal window titled 'devasc@labvm: ~/prelim\_exam' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

```
devasc@labvm:~/prelim_exam$ python3 -m venv gerandoy_devops
devasc@labvm:~/prelim_exam$ ls
gerandoy_devops
devasc@labvm:~/prelim_exam$ ls
gerandoy_devops
devasc@labvm:~/prelim_exam$ source gerandoy_devops/bin/activate?
bash: gerandoy_devops/bin/activate?: No such file or directory
devasc@labvm:~/prelim_exam$ source gerandoy_devops/bin/activate
(gerandoy_devops) devasc@labvm:~/prelim_exam$ pip3 freeze
(gerandoy_devops) devasc@labvm:~/prelim_exam$
```

Overlaid on the terminal is a small text editor window titled 'Untitled - N...' with a menu bar (File, Edit, Format, View, Help). The text 'Gerandoy, Glen John E.' is entered. The status bar at the bottom shows '1 Windows (CRLF)' and 'UTF-8'.

### Test A.4



A terminal window titled 'devasc@labvm: ~/prelim\_exam' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

```
devasc@labvm:~/prelim_exam$ python3 -m venv gerandoy_devops
devasc@labvm:~/prelim_exam$ ls
gerandoy_devops
devasc@labvm:~/prelim_exam$ ls
gerandoy_devops
devasc@labvm:~/prelim_exam$ source gerandoy_devops/bin/activate?
bash: gerandoy_devops/bin/activate?: No such file or directory
devasc@labvm:~/prelim_exam$ source gerandoy_devops/bin/activate
(gerandoy_devops) devasc@labvm:~/prelim_exam$ pip3 freeze
(gerandoy_devops) devasc@labvm:~/prelim_exam$ ls
(gerandoy_devops) requirements.txt
(gerandoy_devops) devasc@labvm:~/prelim_exam$ cat requirements.txt
matplotlib==3.12.0
yamlint==1.23.0
pylint==1.4.2
zipper==1.0.0
(gerandoy_devops) devasc@labvm:~/prelim_exam$
```

Overlaid on the terminal is a small text editor window titled 'Untitled - N...' with a menu bar (File, Edit, Format, View, Help). The text 'Gerandoy, Glen John E.' is entered. The status bar at the bottom shows '1 Windows (CRLF)' and 'UTF-8'.

## Test A.5

```
devasc@labvm: ~/prelim_exam
File Edit View Search Terminal Help

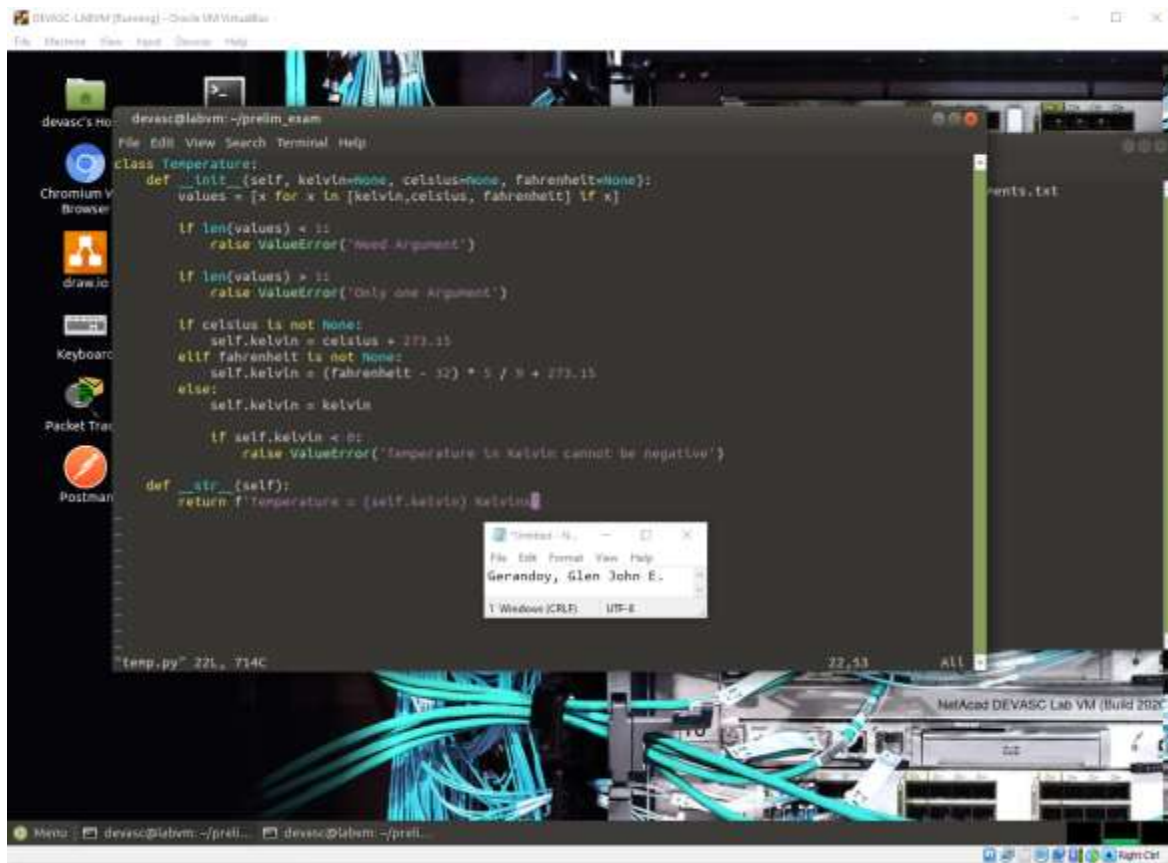
yarl==1.4.2
zipp==1.0.0
(gerandoy_devops) devasc@labvm:~/prelim_exam$ pip3 install -r requirements.txt
Collecting xmldict==0.12.0
  Downloading xmldict-0.12.0-py2.py3-none-any.whl (9.2 kB)
Collecting yamllint==1.23.0
  Downloading yamllint-1.23.0-py2.py3-none-any.whl (58 kB)
    | 58 kB 2.3 MB/s
Collecting yarl==1.4.2
  Downloading yarl-1.4.2-cp38-cp38-manylinux1_x86_64.whl (253 kB)
    | 253 kB 5.8 MB/s
Collecting zipp==1.0.0
  Downloading zipp-1.0.0-py2.py3-none-any.whl (4.1 kB)
Collecting pathspec==0.9.0
  Downloading pathspec-0.9.0-py2.py3-none-any.whl (31 kB)
Collecting pyyaml
  Using cached PyYAML-5.4.1-cp38-cp38-manylinux1_x86_64.whl (662 kB)
Collecting multidict==4.0
  Downloading multidict-5.2.0-cp38-cp38-manylinux_2_5_x86_64.manylinux1_x86_64.manylinux2010_x86_64.whl (187 kB)
    | 187 kB 9.6 MB/s
Collecting idna==2.0
  Using cached idna-3.2-py3-none-any.whl (59 kB)
Collecting more-itertools
  Downloading more-itertools-8.10.0-py3-none-any.whl (51 kB)
    | 51 kB 796 kB/s
Installing collected packages: xmldict, pathspec, pyyaml, yamllint, multidict, idna, yarl, more-itertools, zipp
Successfully installed idna-3.2 more-itertools-8.10.0 multidict-5.2.0 pathspec-0.9.0 pyyaml-5.4.1 xmldict-0.12.0 yamllint-1.23.0 yarl-1.4.2 zipp-1.0.0
(gerandoy_devops) devasc@labvm:~/prelim_exam$
```

## Test A.6

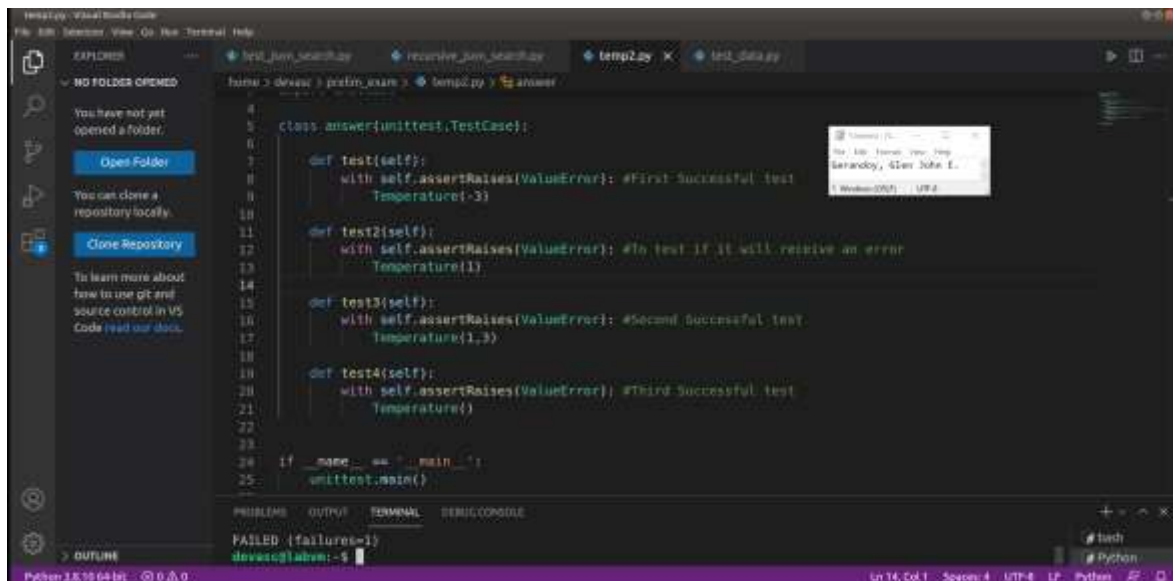
```
devasc@labvm: ~/prelim_exam
File Edit View Search Terminal Help

Collecting multidict==4.0
  Downloading multidict-5.2.0-cp38-cp38-manylinux_2_5_x86_64.manylinux1_x86_64.manylinux2010_x86_64.whl (187 kB)
    | 187 kB 9.6 MB/s
Collecting idna==2.0
  Using cached idna-3.2-py3-none-any.whl (59 kB)
Collecting more-itertools
  Downloading more-itertools-8.10.0-py3-none-any.whl (51 kB)
    | 51 kB 796 kB/s
Installing collected packages: xmldict, pathspec, pyyaml, yamllint, multidict, idna, yarl, more-itertools, zipp
Successfully installed idna-3.2 more-itertools-8.10.0 multidict-5.2.0 pathspec-0.9.0 pyyaml-5.4.1 xmldict-0.12.0 yamllint-1.23.0 yarl-1.4.2 zipp-1.0.0
(gerandoy_devops) devasc@labvm:~/prelim_exam$ pip3 freeze
idna==3.2
more-itertools==8.10.0
multidict==5.2.0
pathspec==0.9.0
PyYAML==5.4.1
xmldict==0.12.0
yamllint==1.23.0
yarl==1.4.2
zipp==1.0.0
(gerandoy_devops) devasc@labvm:~/prelim_exam$
```

## Test B.1

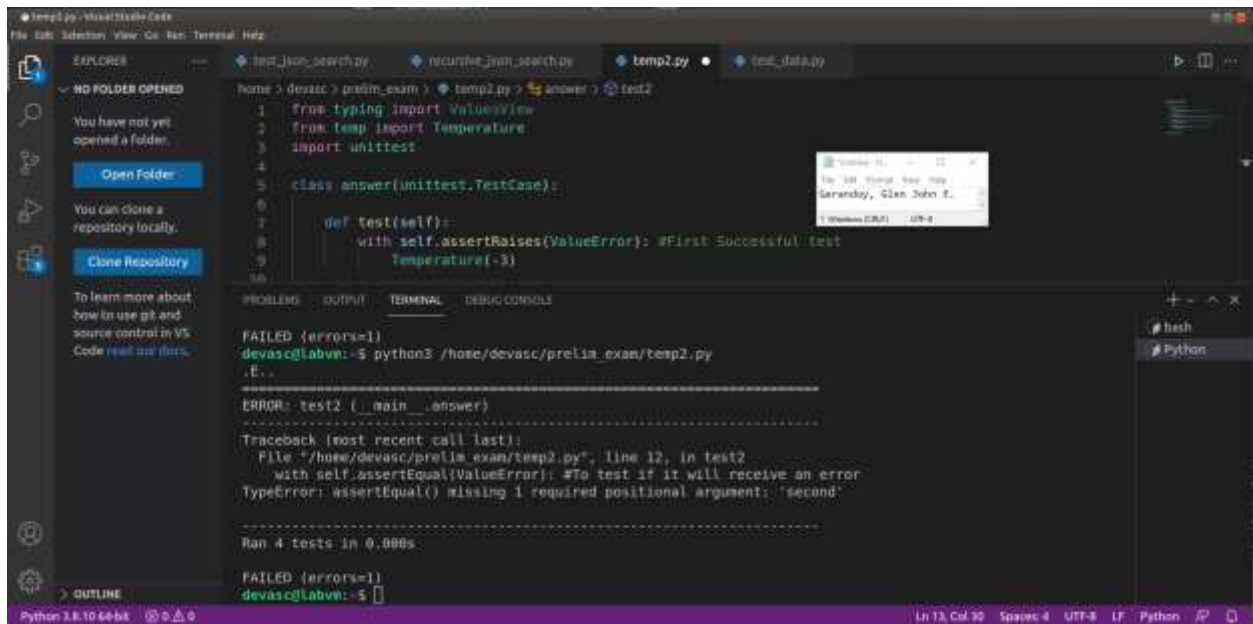


## Test B.2





### Test B.3



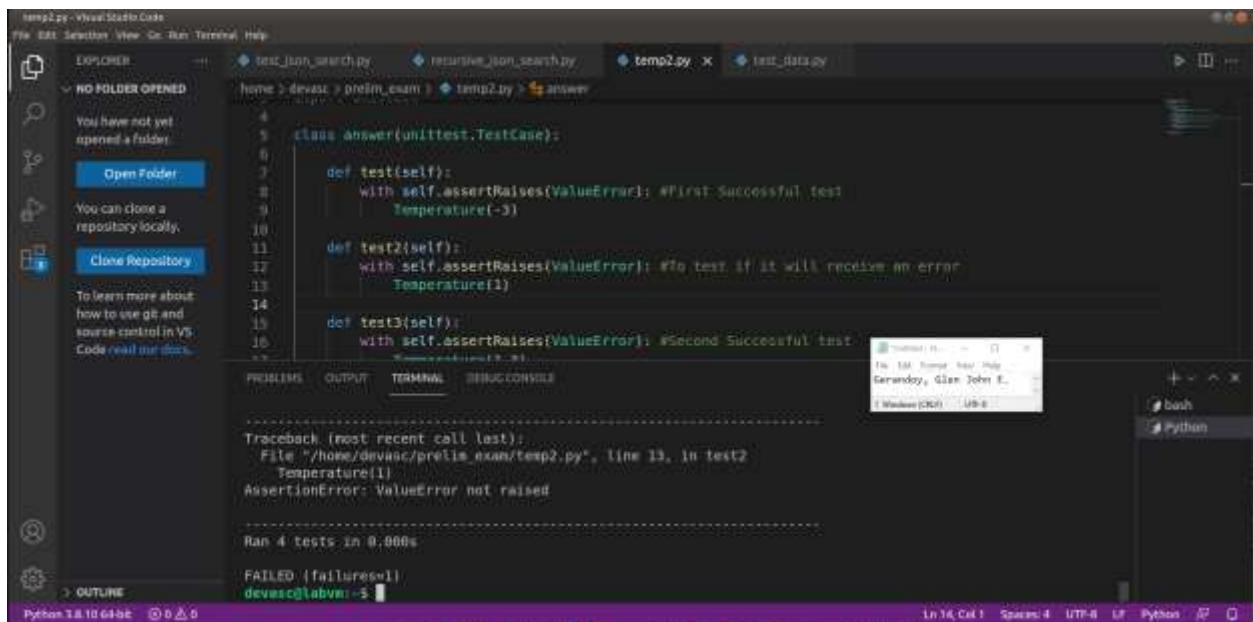
The screenshot shows the Visual Studio Code interface with a Python file named `temp2.py` open. The file contains the following code:

```
1 from typing import ValueError
2 from temp import Temperature
3 import unittest
4
5 class answer(unittest.TestCase):
6
7     def test(self):
8         with self.assertRaises(ValueError): #First Successful test
9             Temperature(-3)
10
11
12
13
```

The terminal output shows the following error:

```
FAILED (errors=1)
devasc@labvm:~$ python3 /home/devasc/prelim_exam/temp2.py
Traceback (most recent call last):
  File "/home/devasc/prelim_exam/temp2.py", line 12, in test2
    with self.assertEqual(ValueError): #To test if it will receive an error
TypeError: assertEqual() missing 1 required positional argument: 'second'
Ran 4 tests in 0.000s:
FAILED (errors=1)
devasc@labvm:~$
```

### Test B.4



The screenshot shows the Visual Studio Code interface with a Python file named `temp2.py` open. The file contains the following code:

```
4
5 class answer(unittest.TestCase):
6
7     def test(self):
8         with self.assertRaises(ValueError): #First Successful test
9             Temperature(-3)
10
11     def test2(self):
12         with self.assertRaises(ValueError): #To test if it will receive an error
13             Temperature(1)
14
15     def test3(self):
16         with self.assertRaises(ValueError): #Second Successful test
17             Temperature(1)
18
```

The terminal output shows the following error:

```
Traceback (most recent call last):
  File "/home/devasc/prelim_exam/temp2.py", line 13, in test2
    Temperature(1)
AssertionError: ValueError not raised
Ran 4 tests in 0.000s:
FAILED (failures=1)
devasc@labvm:~$
```

## Test C.1

```
prelim.py: Visual Studio Code
File Edit Selection View Go Run Terminal Help

EXPLORER
- NO FOLDER OPENED
You have not yet opened a folder.
Open Folder
You can clone a repository locally.
Clone Repository
To learn more about how to use git and source control in VS Code, read our docs.

test_json_search.py | parse_json.py | prelim.py x | recursive_json_search.py | temp2.py | test_data.py
1: import json
2: import csv
3:
4: with open('covid_cases.json','r') as covid: #Read the json file
5:     data = json.loads(covid.read()) #Load the json file
6:
7: with open('parsed_data','w', newline='') as json_parsed: #Created a csv of parsed data
8:     csv_file = csv.writer(json_parsed)
9:     csv_file.writerow(["dateRep","countriesAndTerritories","cases","deaths"]) #instruction for rows
10:
11: for lists in data["records"]: #created rows
12:     csv_file.writerow([lists["dateRep"],
13:                       lists["countriesAndTerritories"],
14:                       lists["cases"],
15:                       lists["deaths"]])
16:
17:
18:

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
File "/home/devasc/prelim_exam/prelim.py", line 12, in <module>
  csv_file.writerow([lists["dateRep"],
TypeError: writerow() takes exactly one argument (4 given)
devasc@labvm:~/prelim_exam$ python3 /home/devasc/prelim_exam/prelim.py
devasc@labvm:~/prelim_exam$
```

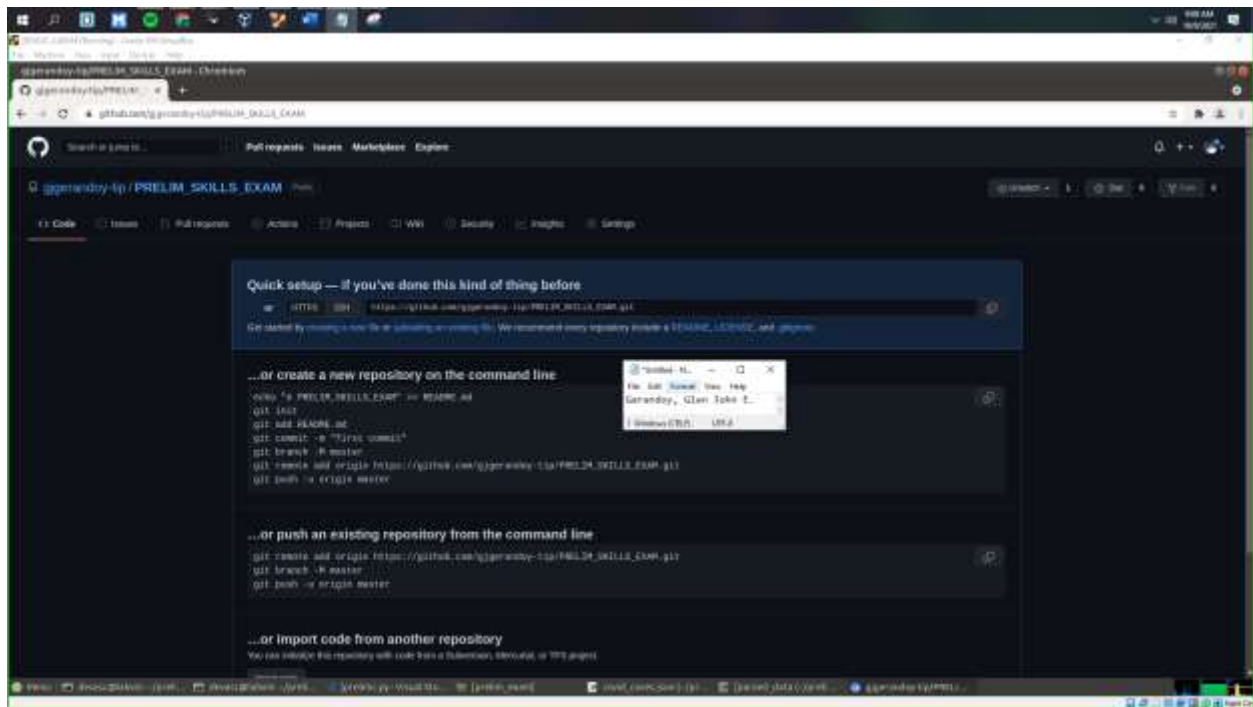
## Test C.2

```
parsed_data (~/.prelim_exam) - Pluma
File Edit View Search Tools Documents Help

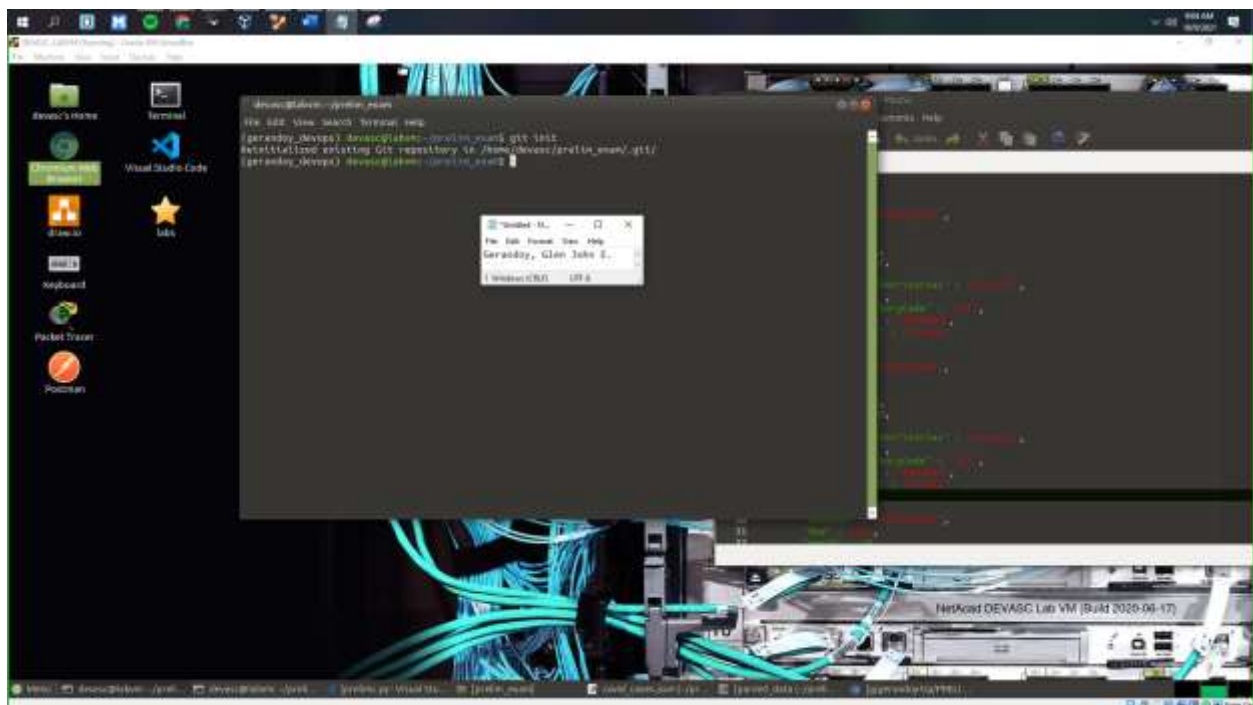
parsed_data x
1 dateRep,countriesAndTerritories,cases,deaths
2 04/10/2021,Austria,1532,5
3 03/10/2021,Austria,2000,7
4 02/10/2021,Austria,1953,4
5 01/10/2021,Austria,1907,6
6 30/09/2021,Austria,2536,14
7 29/09/2021,Austria,1338,7
8 28/09/2021,Austria,1267,5
9 27/09/2021,Austria,1556,6
10 26/09/2021,Austria,2029,4
11 25/09/2021,Austria,1803,10
12 24/09/2021,Austria,1708,9
13 23/09/2021,Austria,2089,12
14 22/09/2021,Austria,1242,17
15 21/09/2021,Austria,1162,7
16 20/09/2021,Austria,1708,7
17 19/09/2021,Austria,2072,5
18 18/09/2021,Austria,2235,9
19 17/09/2021,Austria,2283,8
20 16/09/2021,Austria,2638,8
21 15/09/2021,Austria,1859,7
22 14/09/2021,Austria,1227,4
23 13/09/2021,Austria,1891,0
24 12/09/2021,Austria,2431,5
25 11/09/2021,Austria,2259,5
26 10/09/2021,Austria,2157,3
27 09/09/2021,Austria,2505,6
28 08/09/2021,Austria,1496,6
29 07/09/2021,Austria,1542,7
30 06/09/2021,Austria,1729,5
31 05/09/2021,Austria,1865,4
32 04/09/2021,Austria,1732,7

Plain Text Tab Width: 4 Ln 12, Col 26 INS
```

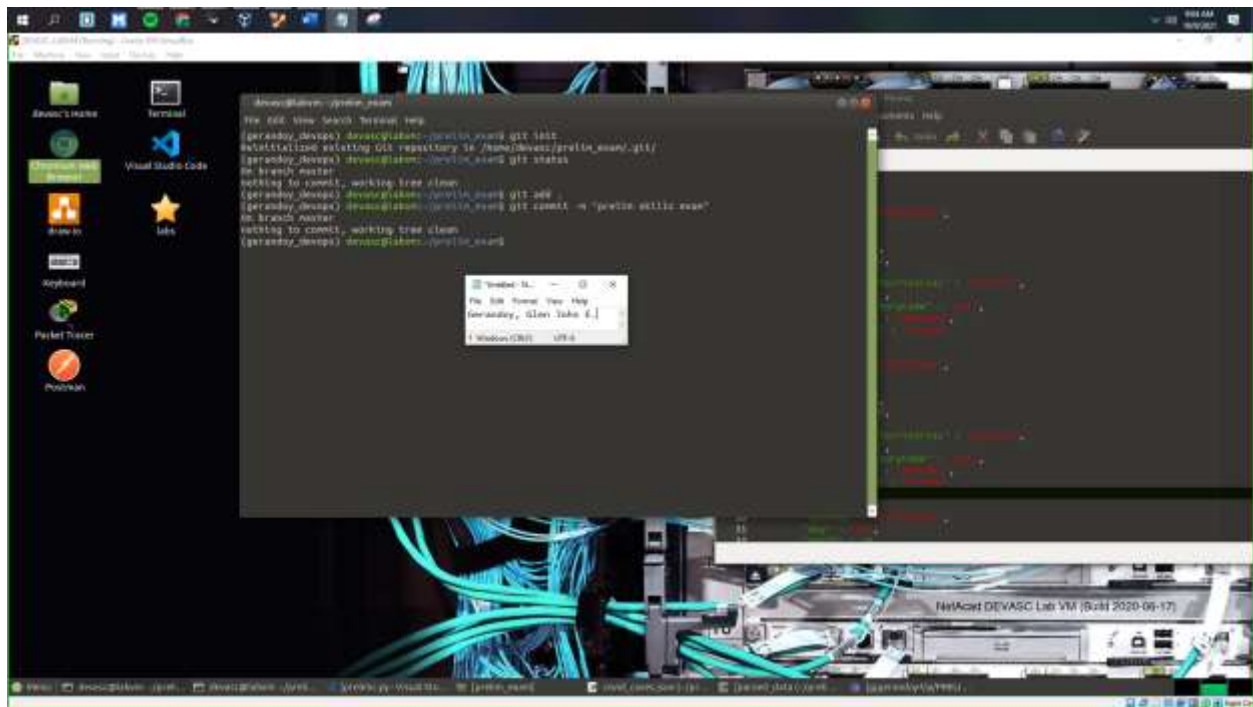
## Prelim D.1



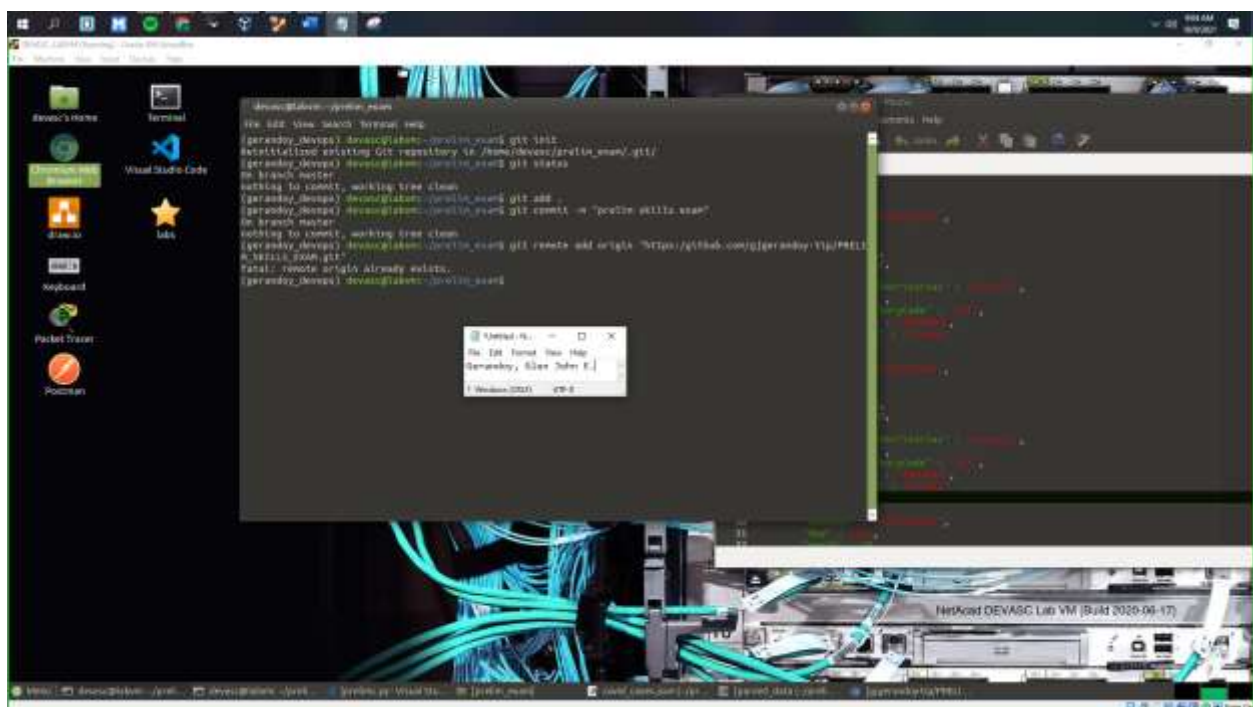
## Prelim D.2



### Prelim D.3



### Prelim D.4





[illegible]

The screenshot shows the GitHub repository page for 'ggwandy-tp/PHLEEM\_SKILLS\_EXAM'. The repository is owned by 'ggwandy-tp' and is a public repository. The page displays a list of files in the repository, including '.\_\_init\_\_.py', 'ggwandy\_utils.py', 'main.py', and others. The sidebar on the right contains sections for 'About', 'Releases', 'Packages', and 'Languages'. A small tooltip is visible over the repository name, showing the file path 'C:\Users\Glen\AppData\Local\GitHub\cli\bin\gh.exe'.