

EX 2

The screenshot shows a Visual Studio Code editor with a Python file named `ex2.py`. The code is as follows:

```
1 file_name = input("Enter a file name: ")
2 day_counts = {}
3
4 try:
5     with open(file_name, 'r') as f:
6         for line in f:
7             if line.startswith("from "):
8                 words = line.split()
9                 if len(words) > 2:
10                    day = words[2]
11                    day_counts[day] = day_counts.get(day, 0) + 1
12
13     print(day_counts)
14
15 except FileNotFoundError:
16     print("File cannot be opened: ("file_name)")
```

The terminal output shows the execution of the script:

```
PS C:\Chuong 99> & C:\Users\vnunus\AppData\Local\Programs\Python\Python313\python.exe "c:/chuong 99/ex2.py"
Enter a file name: mbox-short.txt
{Sat: 1, 'Fri': 26, 'Thu': 6}
PS C:\Chuong 99>
```

The interface includes a sidebar with Explorer, Search, and Run and Debug views. The bottom status bar shows the file is at line 16, column 49, in UTF-8 encoding.

EX 3

The screenshot shows a Visual Studio Code editor with a Python file named `ex3.py`. The code is as follows:

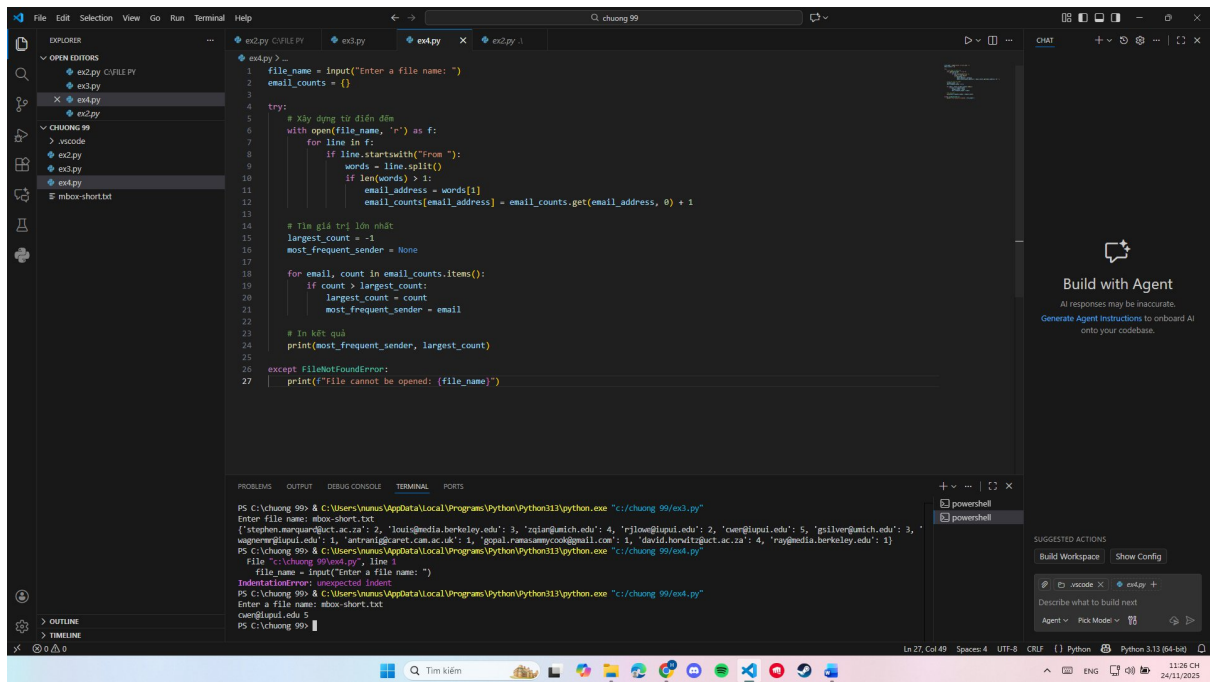
```
1 file_name = input("Enter file name: ")
2 email_counts = {}
3
4 try:
5     with open(file_name, 'r') as f:
6         for line in f:
7             if line.startswith("From "):
8                 words = line.split()
9                 if len(words) > 1:
10                    email_address = words[1]
11                    email_counts[email_address] = email_counts.get(email_address, 0) + 1
12
13     print(email_counts)
14
15 except FileNotFoundError:
16     print("File cannot be opened: ("file_name)")
```

The terminal output shows the execution of the script:

```
PS C:\Chuong 99> & C:\Users\vnunus\AppData\Local\Programs\Python\Python313\python.exe "c:/chuong 99/ex3.py"
Enter a file name: mbox-short.txt
{'stephen.marquard@uct.ac.za': 2, 'louis@media.berkeley.edu': 3, 'zqian@umich.edu': 4, 'rjl@lowe@lupul.edu': 2, 'cwen@lupul.edu': 5, 'gsilver@umich.edu': 3, 'wagner@lupul.edu': 1, 'antranig@caret.cam.ac.uk': 1, 'gopal.ramasammycook@gmail.com': 1, 'david.horvitz@uct.ac.za': 4, 'ray@media.berkeley.edu': 1}
PS C:\Chuong 99>
```

The interface includes a sidebar with Explorer, Search, and Run and Debug views. The bottom status bar shows the file is at line 16, column 49, in UTF-8 encoding.

EX 4



EX 5

