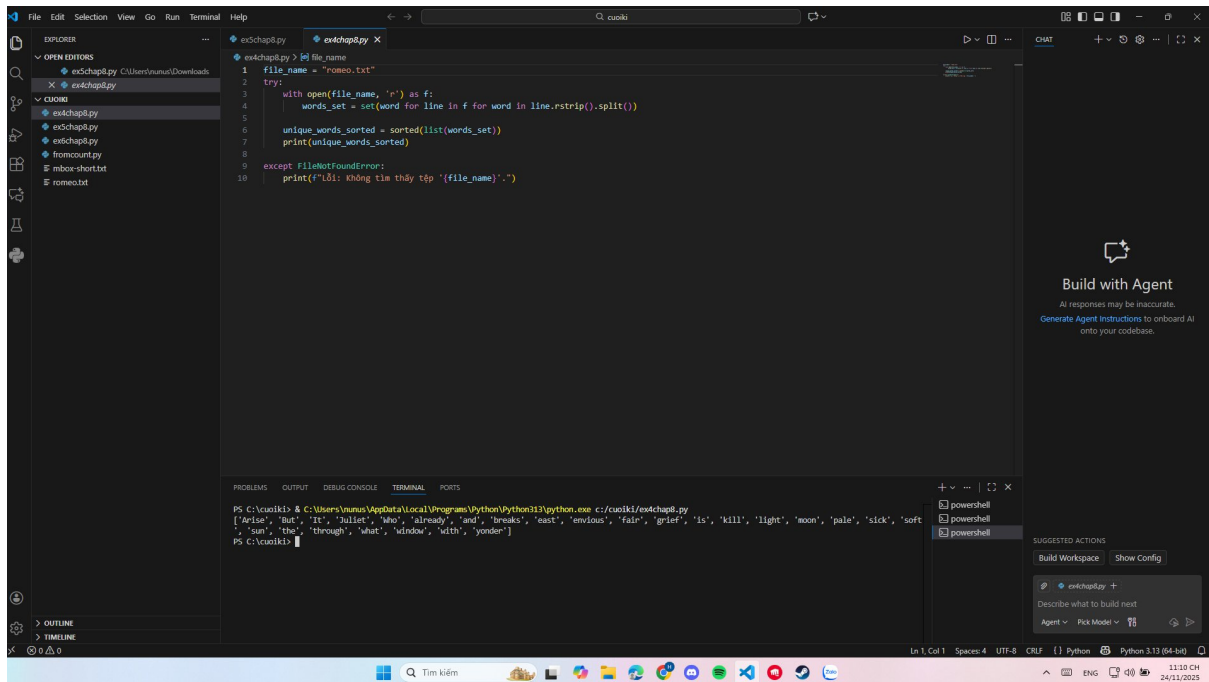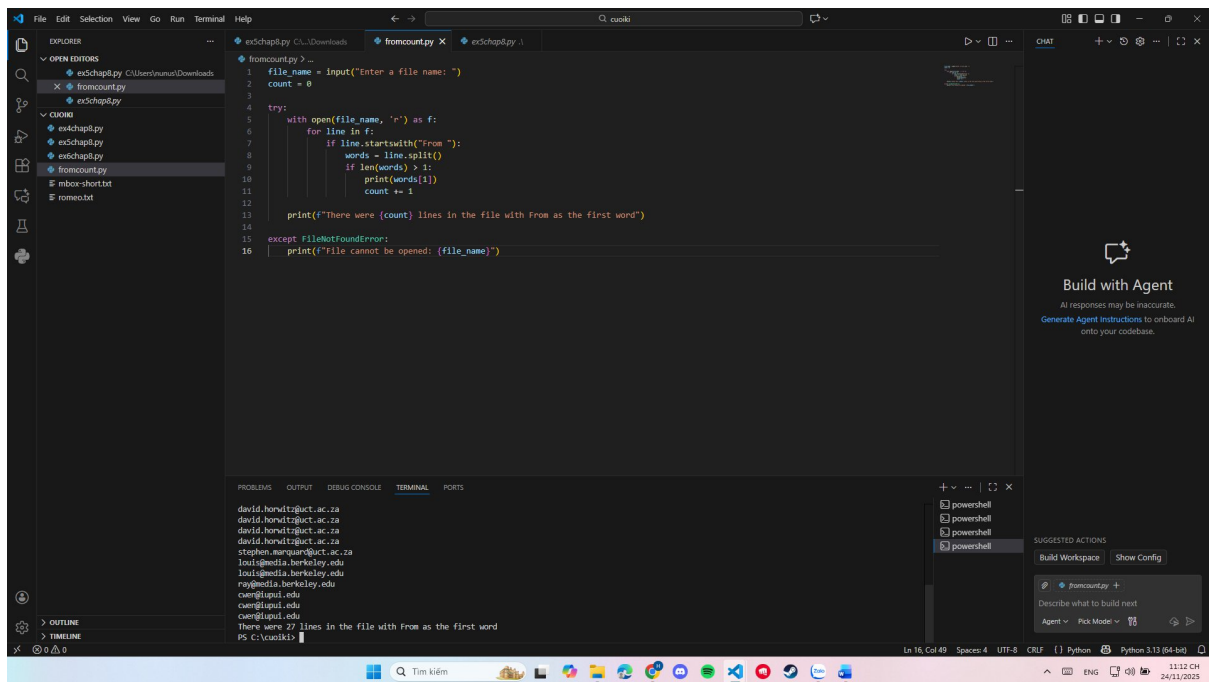EX 4


```python
file_name = "romeo.txt"
try:
    with open(file_name, 'r') as f:
        words_set = set(word for line in f for word in line.rstrip().split())

    unique_words_sorted = sorted(list(words_set))
    print(unique_words_sorted)

except FileNotFoundError:
    print(f"Lỗi: Không tìm thấy tệp '{file_name}'.")
```

Terminal:
```
PS C:\cuoiki> & C:/Users/nunus/AppData/Local/Programs/Python/Python313/python.exe c:/cuoiki/ex4chap8.py
['Arise', 'But', 'It', 'Juliet', 'Who', 'already', 'and', 'breaks', 'east', 'envious', 'fair', 'grief', 'is', 'kill', 'light', 'moon', 'pale', 'sick', 'soft', 'sun', 'the', 'through', 'what', 'window', 'with', 'yonder']
PS C:\cuoiki>
```

EX 5


```python
file_name = input("Enter a file name: ")
count = 0

try:
    with open(file_name, 'r') as f:
        for line in f:
            if line.startswith("From "):
                words = line.split()
                if len(words) > 1:
                    print(words[1])
                count += 1

    print(f"There were {count} lines in the file with From as the first word")

except FileNotFoundError:
    print(f"File cannot be opened: {file_name}")
```

Terminal:
```
david.horwitz@uct.ac.za
david.horwitz@uct.ac.za
david.horwitz@uct.ac.za
david.horwitz@uct.ac.za
stephen.marquard@uct.ac.za
louis@media.berkeley.edu
louis@media.berkeley.edu
ray@media.berkeley.edu
cwen@iupui.edu
cwen@iupui.edu
cwen@iupui.edu
There were 27 lines in the file with From as the first word
PS C:\cuoiki>
```

EX 6

```python
numbers = []

while True:
    entry = input("Enter a number: ")
    if entry.lower() == 'done':
        break

    try:
        num = float(entry)
        numbers.append(num)
    except ValueError:
        print("Invalid input")
        continue

if numbers:
    print(f"Maximum: {max(numbers):.1f}")
    print(f"Minimum: {min(numbers):.1f}")
else:
    print("No numbers were entered.")
```

```
louis@media.berkeley.edu
ray@media.berkeley.edu
cwen@iupui.edu
cwen@iupui.edu
cwen@iupui.edu
There were 27 lines in the file with From as the first word
PS C:\cuoiki> & C:\Users\nunus\AppData\Local\Programs\Python\Python313\python.exe c:/cuoiki/ex6chap8.py
Enter a number: 31
Enter a number: 51
Enter a number: DONE
Maximum: 51.0
Minimum: 31.0
PS C:\cuoiki>
```