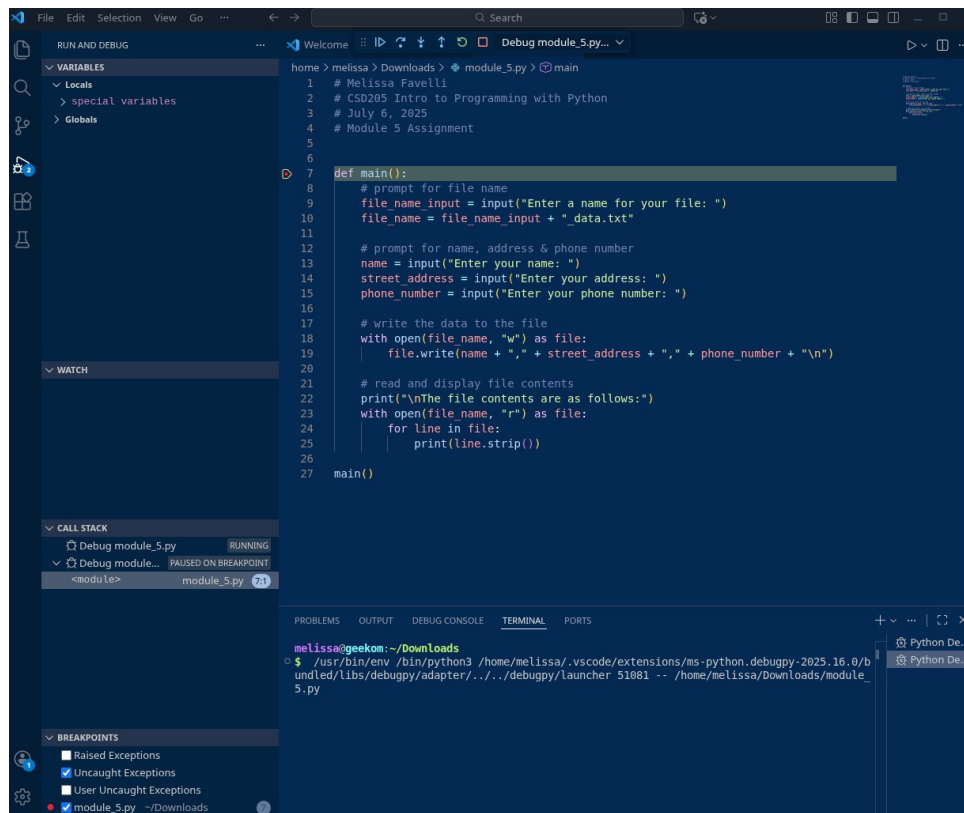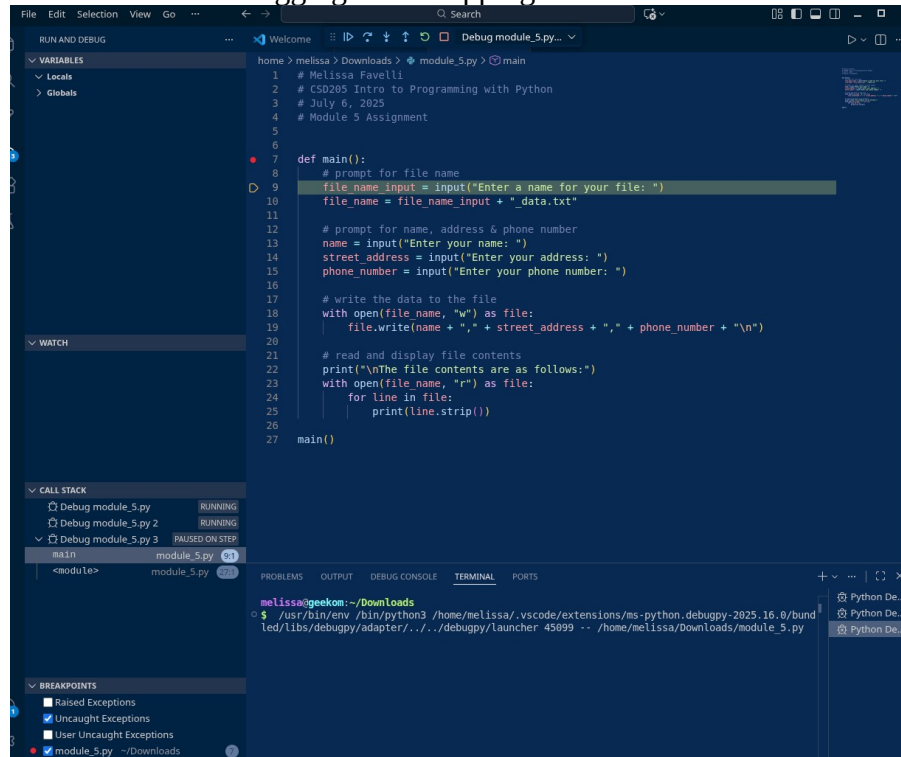Melissa Favelli
CSD325
Advanced Python
Module 2 Assignment: Debugging
12/14/2025

Initial Debugging with Breakpoint

Debugging after Stepping into Function

Debugging after adding error (changed "w" (write) to "q")

```
1   # Melissa Favelli
2   # CSD205 Intro to Programming with Python
3   # July 6, 2025
4   # Module 5 Assignment
5
6
7   def main():
8       # prompt for file name
9       file_name_input = input("Enter a name for your file: ")
10      file_name = file_name_input + "_data.txt"
11
12      # prompt for name, address & phone number
13      name = input("Enter your name: ")
14      street_address = input("Enter your address: ")
15      phone_number = input("Enter your phone number: ")
16
17      # write the data to the file
18      with open(file_name, "q") as file:
19          file.write(name + "," + street_address + "," + phone_number + "\n")
20
21      # read and display file contents
22      print("\nThe file contents are as follows:")
23      with open(file_name, "r") as file:
24          for line in file:
25              print(line.strip())
26
27  main()
```

VARIABLES
Locals
Globals

WATCH

CALL STACK
Debug module_5.py   RUNNING
Debug module_5.py 2   RUNNING
Debug module_5.py 3   PAUSED ON STEP
    main   module_5.py 9:1
    <module>   module_5.py 27:1
Debug module...   PAUSED ON BREAKPOINT
Debug module_5.py 5   INVALID MODE: 'Q'

BREAKPOINTS
Raised Exceptions
Uncaught Exceptions
User Uncaught Exceptions

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

melissa@geekom:~/Downloads
$ /usr/bin/env /bin/python3 /home/melissa/.vscode/extensions/ms-python.debugpy-2025.
16.0/bundled/libs/debugpy/adapter/../../debugpy/launcher 51443 -- /home/melissa/Downl
oads/module_5.py
Enter a name for your file: file
Enter your name: Melissa
Enter your address: 916 clarence ct
Enter your phone number: 6084059844

Ln 27, Col 7   Spaces: 4   UTF-8   LF   {} Python   Signed out   3.13.5