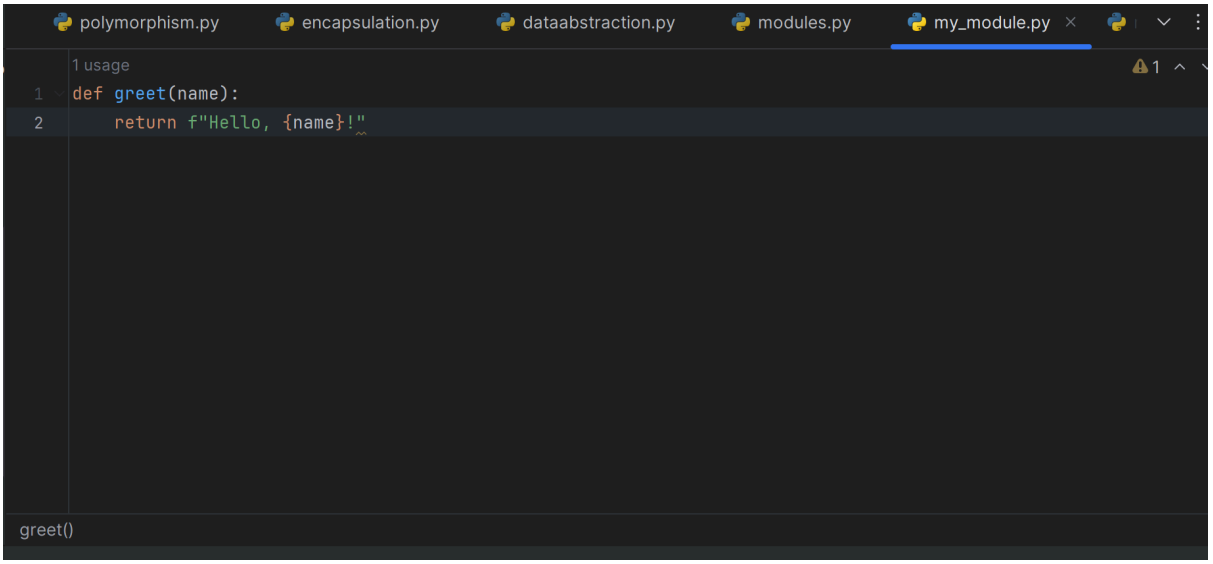
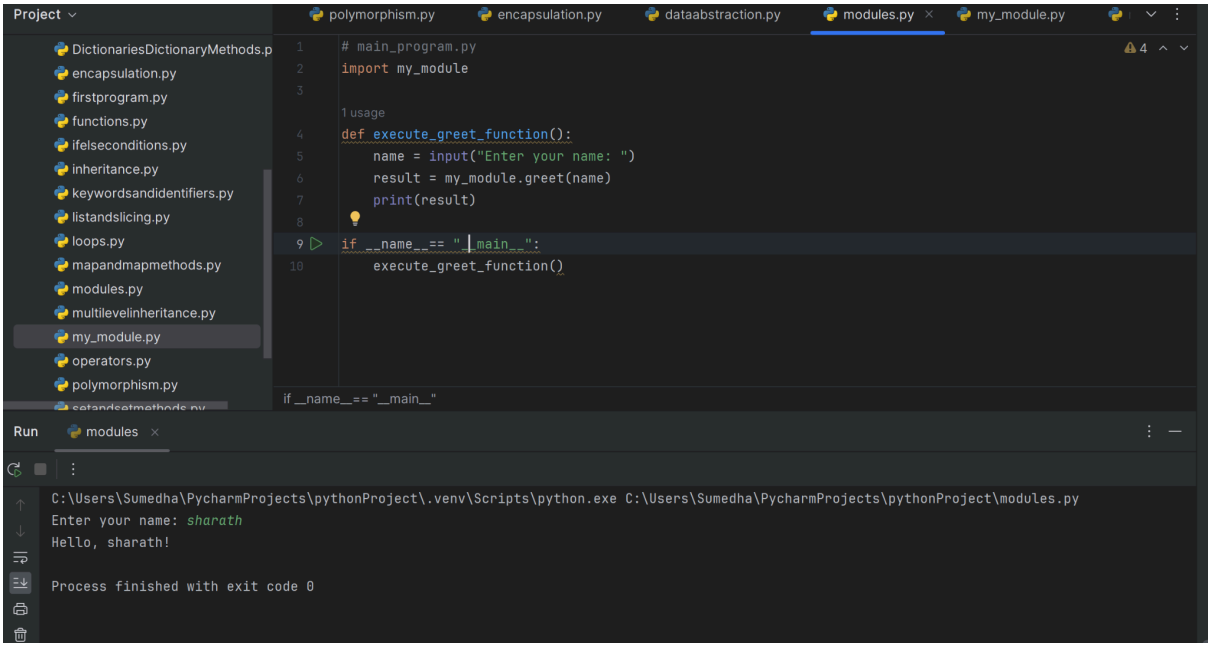
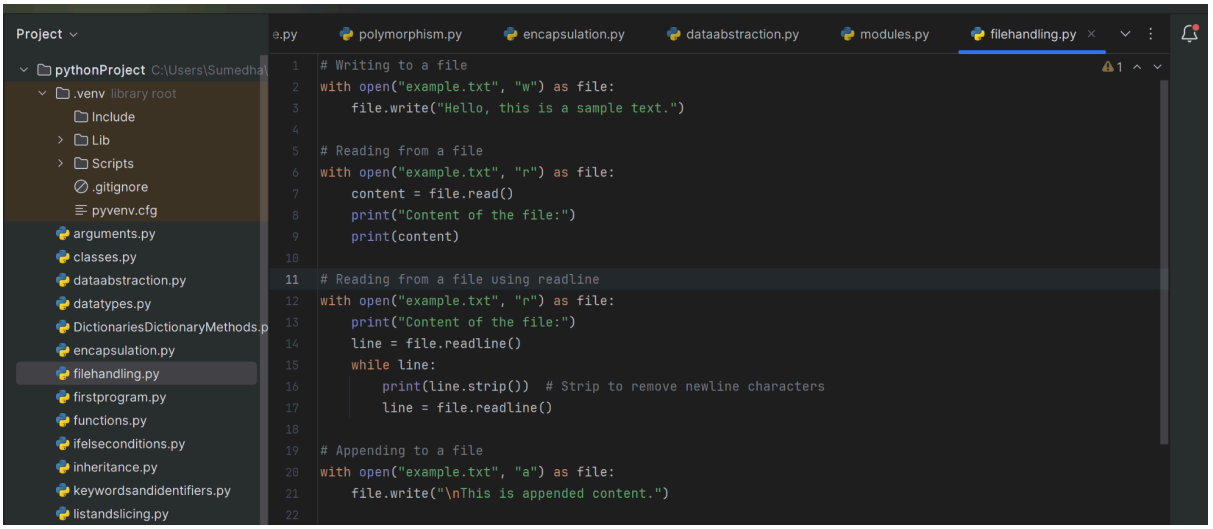
**NAME: AKULA SHARATH CHANDRA**
**BATCH: DATA ENGINEERING**
**TOPICS:Python Modules,File handling**

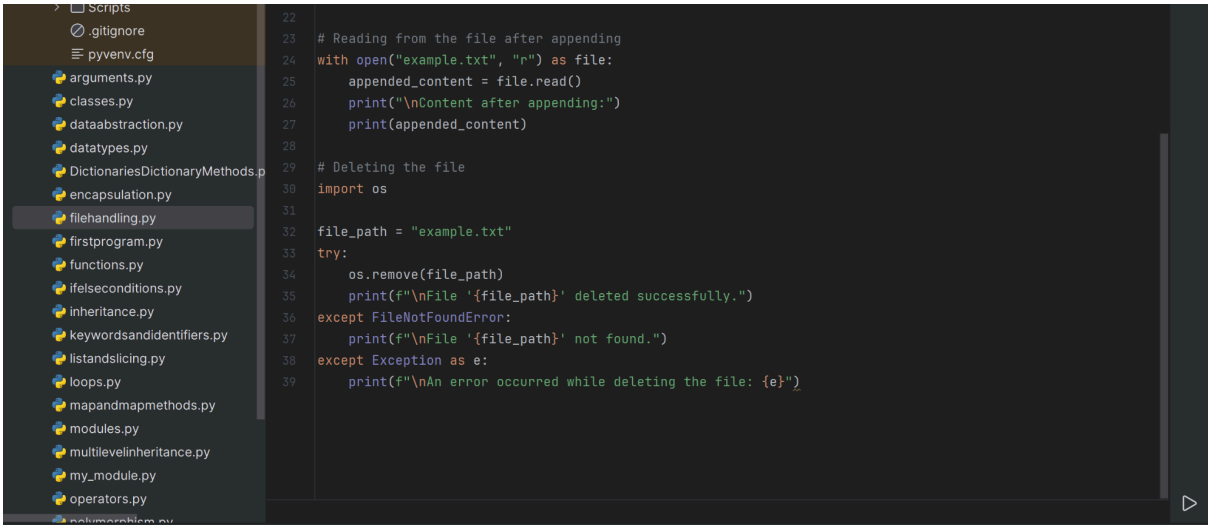
**i)Python Modules:**a module is a file containing Python definitions and statements. It serves as a way to organise and structure Python code by grouping related functionalities together.



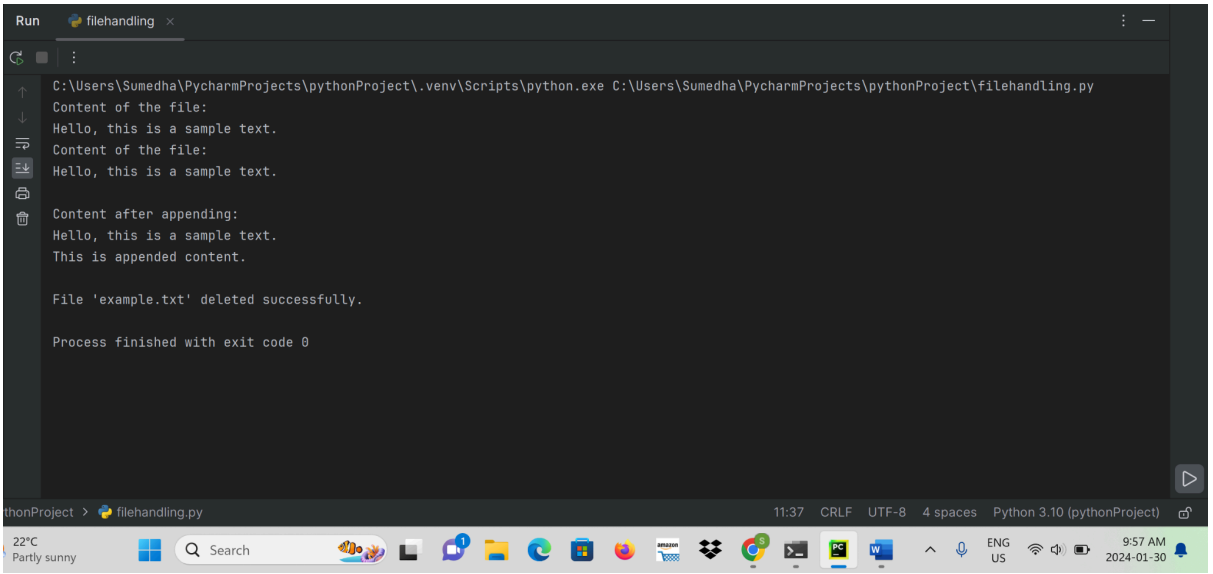

Project
DictionariesDictionaryMethods.p
encapsulation.py
firstprogram.py
functions.py
ifelseconditions.py
inheritance.py
keywordsandidentifiers.py
listandslicing.py
loops.py
mapandmapmethods.py
modules.py
multilevelinheritance.py
my_module.py
operators.py
polymorphism.py
polymorphism.py
encapsulation.py
dataabstraction.py
modules.py
my_module.py
# main_program.py
import my_module
1 usage
def execute_greet_function():
name = input("Enter your name: ")
result = my_module.greet(name)
print(result)
if __name__== "__main__":
execute_greet_function()
4
if __name__== "__main__"
Run
modules
C:\Users\Sumedha\PycharmProjects\pythonProject\.venv\Scripts\python.exe C:\Users\Sumedha\PycharmProjects\pythonProject\modules.py
Enter your name: sharath
Hello, sharath!
Process finished with exit code 0

**ii) File handling:**File handling in Python allows you to read from and write to files. Python provides built-in functions and methods to perform various operations on files, such as opening, reading, writing, and closing.
—> i have done how to write into a file, how to read from a file , reading from a file using a read line, appending to a file, reading from the file after appending ,deleting the file .



# Output:


Run
filehandling
C:\Users\Sumedha\PycharmProjects\pythonProject\.venv\Scripts\python.exe C:\Users\Sumedha\PycharmProjects\pythonProject\filehandling.py
Content of the file:
Hello, this is a sample text.
Content of the file:
Hello, this is a sample text.
Content after appending:
Hello, this is a sample text.
This is appended content.
File 'example.txt' deleted successfully.
Process finished with exit code 0
thonProject
filehandling.py
11:37
CRLF
UTF-8
4 spaces
Python 3.10 (pythonProject)
22°C
Partly sunny
Search
ENG
US
9:57 AM
2024-01-30