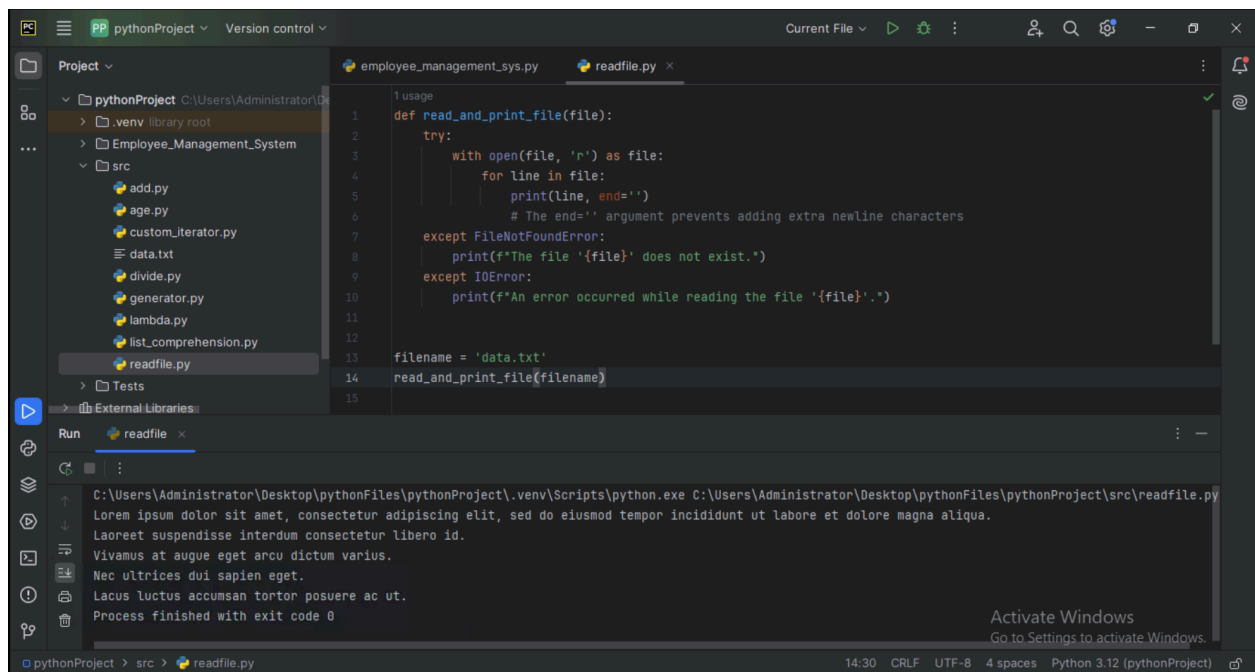


Task 1: Write a Python program to read a file and print its content line by line.

```
def read_and_print_file(file):
    try:
        with open(file, 'r') as file:
            for line in file:
                print(line, end='')
    except FileNotFoundError:
        print(f"The file '{file}' does not exist.")
    except IOError:
        print(f"An error occurred while reading the file '{file}'.")

filename = 'data.txt'
read_and_print_file(filename)
```



The screenshot shows a Python IDE with a project named 'pythonProject'. The file explorer on the left shows the project structure, including a 'src' directory with various Python files. The main editor window displays the code for 'readfile.py', which is identical to the code provided in the task. The 'Run' panel at the bottom shows the execution output, which is a block of Lorem Ipsum text, indicating that the file 'data.txt' was successfully read and printed line by line. The status bar at the bottom indicates the file encoding (CRLF), the number of spaces (4), and the Python version (3.12).

```
1 usage
2 def read_and_print_file(file):
3     try:
4         with open(file, 'r') as file:
5             for line in file:
6                 print(line, end='')
7             # The end='' argument prevents adding extra newline characters
8     except FileNotFoundError:
9         print(f"The file '{file}' does not exist.")
10    except IOError:
11        print(f"An error occurred while reading the file '{file}'.")
12
13 filename = 'data.txt'
14 read_and_print_file(filename)
15
```

Run: readfile

C:\Users\Administrator\Desktop\pythonFiles\pythonProject\.venv\Scripts\python.exe C:\Users\Administrator\Desktop\pythonFiles\pythonProject\src\readfile.py
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
Laoreet suspendisse interdum consectetur libero id.
Vivamus at augue eget arcu dictum varius.
Nec ultrices dui sapien eget.
Lacus luctus accumsan tortor posuere ac ut.
Process finished with exit code 0

pythonProject > src > readfile.py 14:30 CRLF UTF-8 4 spaces Python 3.12 (pythonProject)