ASSIGNMENT _ 05   **File and Exception Handling**
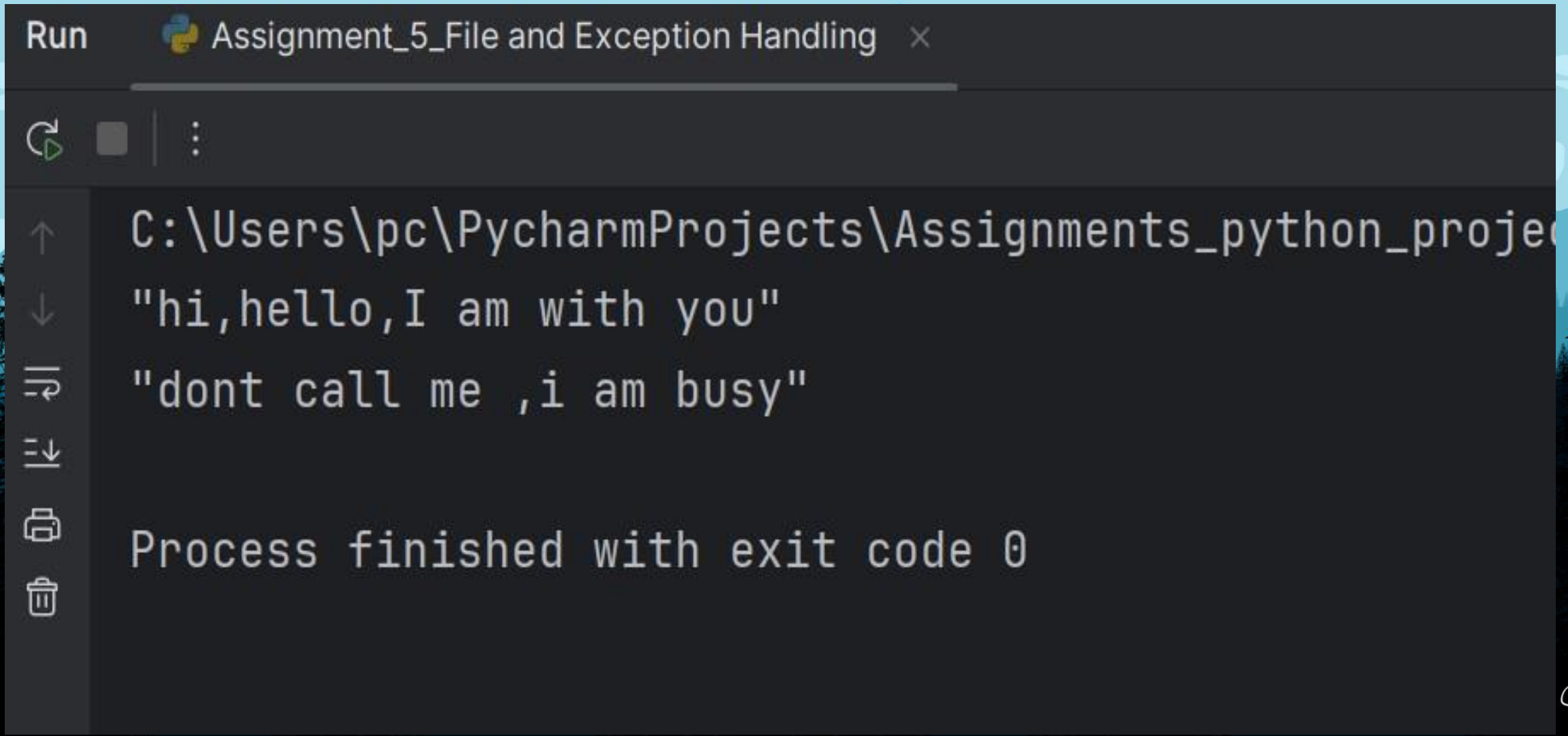
Exercise 1: (score : 1)
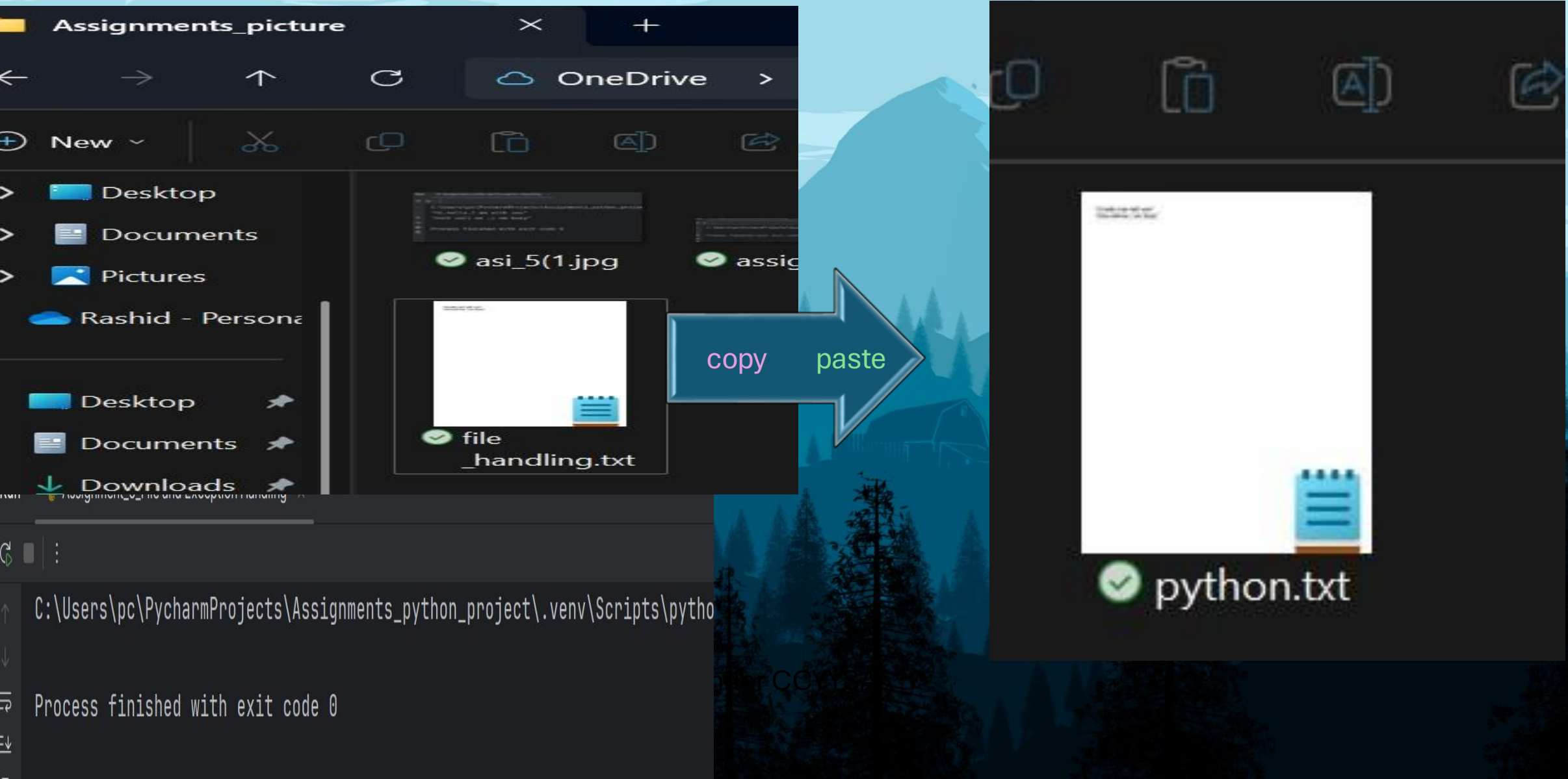**Write a Python program to read a file and display its contents**

```
Run        Assignment_5_File and Exception Handling  ×

C:\Users\pc\PycharmProjects\Assignments_python_proje
"hi,hello,I am with you"
"dont call me ,i am busy"

Process finished with exit code 0
```

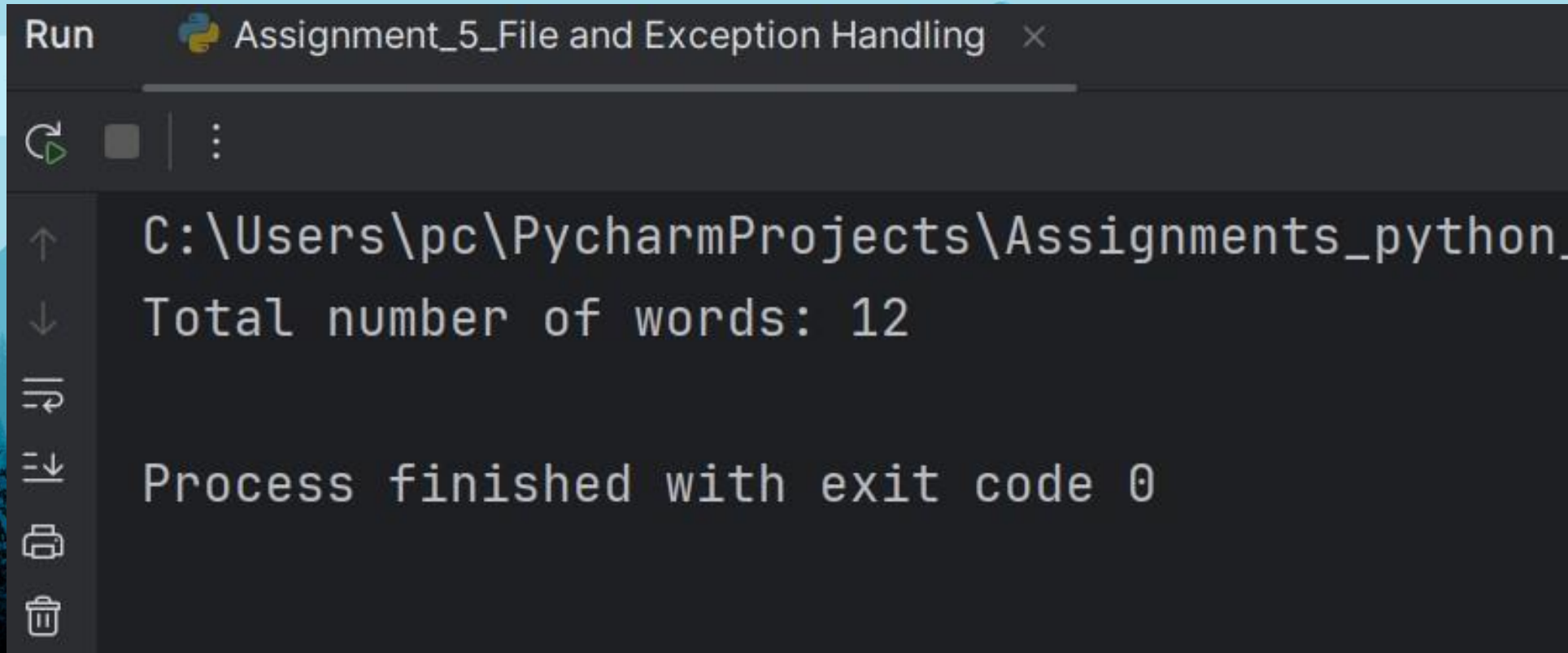**Exercise 2: (score : 1)**
Write a Python program to copy the contents of one file to another file

copy   paste

C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\Scripts\pytho

Process finished with exit code 0

Exercise 3: (score : 2)
Write a Python program to read the content of a file and count the total number of words in that file.

Run   🐍 Assignment_5_File and Exception Handling ✕

```
C:\Users\pc\PycharmProjects\Assignments_python_
Total number of words: 12

Process finished with exit code 0
```

Exercise 4: (score : 1)
Write a Python program that prompts the user to input a string and converts it to an integer. Use try-except blocks to handle any exceptions that might occur

```
C:\Users\pc\PycharmProjects\Assignments_p
Please enter a number: 3
The integer value is: 3


Process finished with exit code 0
```

```
C:\Users\pc\PycharmProjects\Assignments_python_project\.venv
Please enter a number: re
Invalid input! Please enter a valid integer.


Process finished with exit code 0
```

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Exercise 5: (score : 1)
Write a Python program that prompts the user to input a list of integers and raises an exception if any of the integers in the list are negative.

```
C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\Scripts\python.exe "C:\Users\
Please enter a list of integers separated by spaces or commas: 0,-3,4,5,6,7,8,9
Negative integer found: -3


Process finished with exit code 0
```

Exercise 6: (score : 2)
Write a Python program that prompts the user to input a list of integers and computes the average of those integers. Use try-except blocks to handle any exceptions that might occur.use the finally clause to print a message indicating that the program has finished running.

```
C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\Scripts\python.
Please enter a list of integers separated by spaces: 1 2 34 55 66 0
The average of the integers is: 26.333333333333332
The program has finished running.


Process finished with exit code 0
```

```
C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\Scripts\
Please enter a list of integers separated by spaces: "1234567"
Invalid input! Please enter a valid list of integers.
The program has finished running.

Process finished with exit code 0
```

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Exercise 7 : (score : 2) Write a Python program that prompts the user to input a filename and writes a string to that file. Use try-except blocks to handle any exceptions that might occur and print a welcome message if there is no exception occurred.


```
C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\Scri

Please enter the filename: new folder

Please enter the content to write to the file: python.file

Content written to the file successfully. Welcome!


Process finished with exit code 0
```

```
Run    Assignment_5_File and Exception Handling  ×

C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\Scripts\python.exe "C:\Users\pc

Please enter the filename: invalid /file name

Please enter the content to write to the file: "helloworld"

An error occurred: [Errno 2] No such file or directory: 'invalid /file name'


Process finished with exit code 0
```