

The screenshot shows a Python IDE with a project named 'entri_d41_PythonProject'. The file explorer on the left lists various files, including 'ajay.txt'. The main editor window displays a Python script for 'Exercise 3', which reads the content of 'ajay.txt' and counts the words. The script is as follows:

```
26 # print(f"An error occurred: {e}")
27 """Exercise 3:
28 Write a Python program to read the content of a file and count the total number of words
29 
30 new_file=open("ajay.txt",'r')
31 content = new_file.read()
32 words = content.split()
33 word_count = len(words)
34 print("File Content:",content)
35 print("Total number of words in the file is:",word_count )
36 
37
```

The script has been executed, and the output is shown in the Run console:

```
File Content: good morning
Total number of words in the file is: 2

Process finished with exit code 0
```

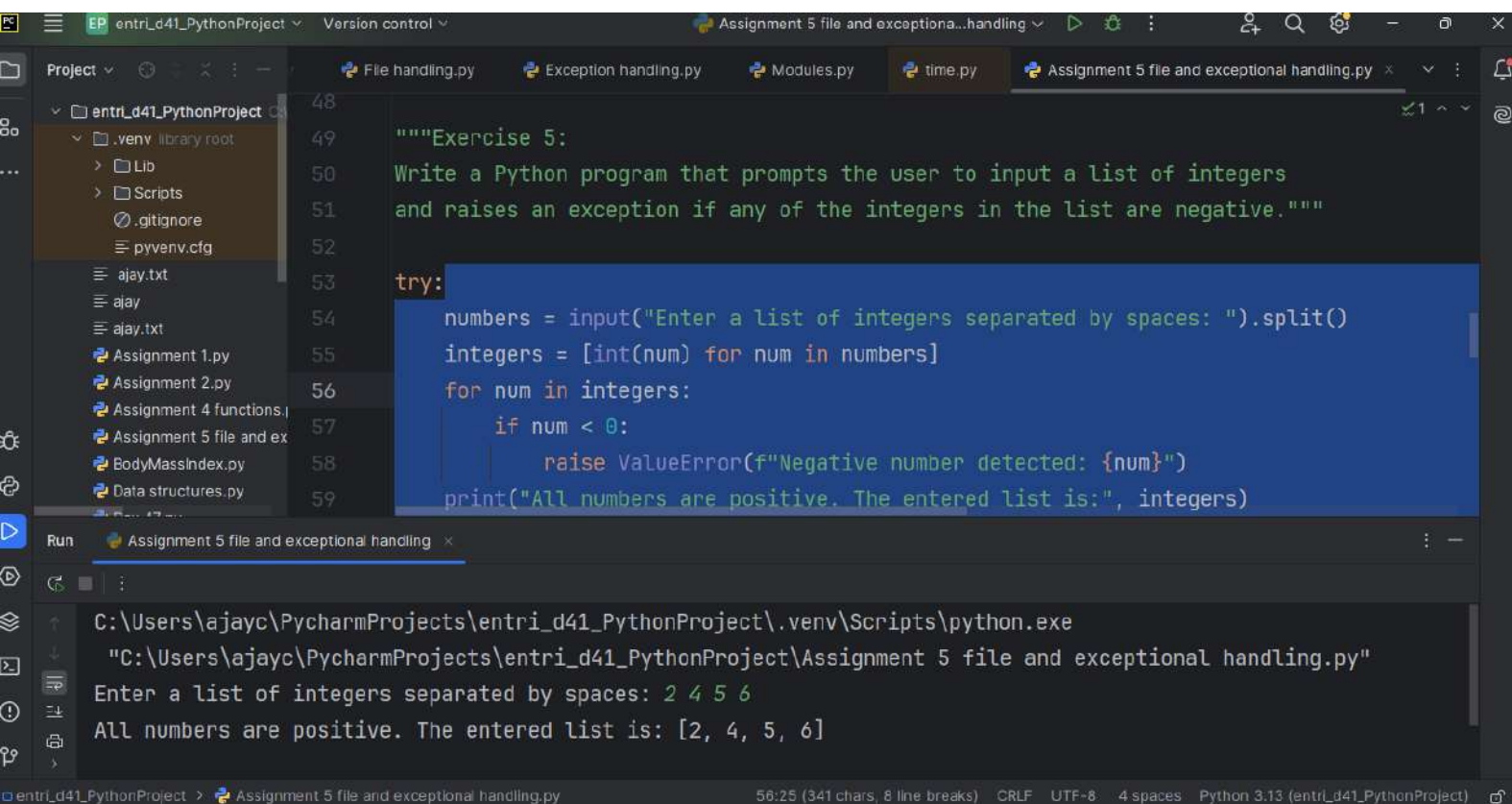
The status bar at the bottom indicates the file is 'Assignment 5 file and exceptional handling.py', it is 30 lines long with 194 characters and 6 line breaks, and it is using CRLF line endings, UTF-8 encoding, and 4 spaces for indentation. The Python version is 3.13.

The screenshot shows an IDE window for a project named 'entri_d41_PythonProject'. The file explorer on the left lists various files, including 'Assignment 5 file and exceptional handling.py'. The main editor displays the code for 'Exercise 4', which prompts the user for a string and attempts to convert it to an integer, handling a 'ValueError' if the conversion fails. The code is as follows:

```
38 """Exercise 4:
39 Write a Python program that prompts the user to input a string
40 and converts it to an integer. Use try-except blocks to handle any exceptions that might
41 A=input("Enter a string:")
42 try:
43     B=int(A)
44     print(B,"the string converted to integer")
45 except ValueError:
46     print("This string cannot be converted to integer")
47
48
49 """Exercise 5:
```

The 'Run' console at the bottom shows the execution of the program. It displays the prompt 'Enter a string:ajay', the resulting error message 'This string cannot be converted to integer', and a final status 'Process finished with exit code 0'.

entri_d41_PythonProject > Assignment 5 file and exceptional handling.py 44:16 (113 chars, 5 line breaks) CRLF UTF-8 4 spaces Python 3.13 (entri_d41_PythonProject)




```
60 # except ValueError as e:
61 #     print("Error:", e)
62 """Exercise 6:
63 Write a Python program that prompts the user to input a list of integers and computes the
64 Use try-except blocks to handle any exceptions that might occur. use the finally clause to
65 user_input=input("Enter a list of integers:")
66 numbers = list(map(int, user_input.split()))
67 try:
68     Number_of_words=len(numbers)
69     print("No.of words:",Number_of_words)
70     if len(numbers) == 0:
71         raise ValueError("The list cannot be empty.")
```

Run Assignment 5 file and exceptional handling x

"C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\Assignment 5 file and exceptional handling.py"

Enter a list of integers:2 4 5 6

No.of words: 4

The average of the integers is: 4.25

The program has finished running.

entri_d41_PythonProject > Assignment 5 file and exceptional handling.py 71:14 (461 chars, 14 line breaks) CRLF UTF-8 4 spaces Python 3.13 (entri_d41_PythonProject)

The screenshot displays the PyCharm IDE interface. The top toolbar includes icons for running, debugging, and other development tools. The left sidebar shows the project structure for 'entri_d41_PythonProject', including a virtual environment and various script files. The main editor window is open to 'Assignment 5 file and exceptional handling.py', showing a Python script for Exercise 7. The script prompts the user for a filename and a string, then writes the string to the file and prints a welcome message. The bottom panel shows the output of the script, indicating successful execution with the provided inputs.

```
80
81 """Exercise 7 :
82 Write a Python program that prompts the user to input a filename and writes a string to
83 Use try-except blocks to handle any exceptions that might occur and print a welcome mess
84
85 file_name=input("Enter the file name:")
86 new_string=input("enter a string to the file:")
87 try:
88     with open(file_name, "w") as file_name:
89         file_name.write(new_string)
90     print("File written successfully!","welcome to the world of programming")
91 except Exception as e:
```

Run Assignment 5 file and exceptional handling

C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\.venv\Scripts\python.exe
"C:\Users\ajayc\PycharmProjects\entri_d41_PythonProject\Assignment 5 file and exceptional handling.py"
Enter the file name:ajay.txt
enter a string to the file:sample2.txt
File written successfully! welcome to the world of programming

entri_d41_PythonProject > Assignment 5 file and exceptional handling.py 87:5 (276 chars, 7 line breaks) CRLF UTF-8 4 spaces Python 3.13 (entri_d41_PythonProject)