

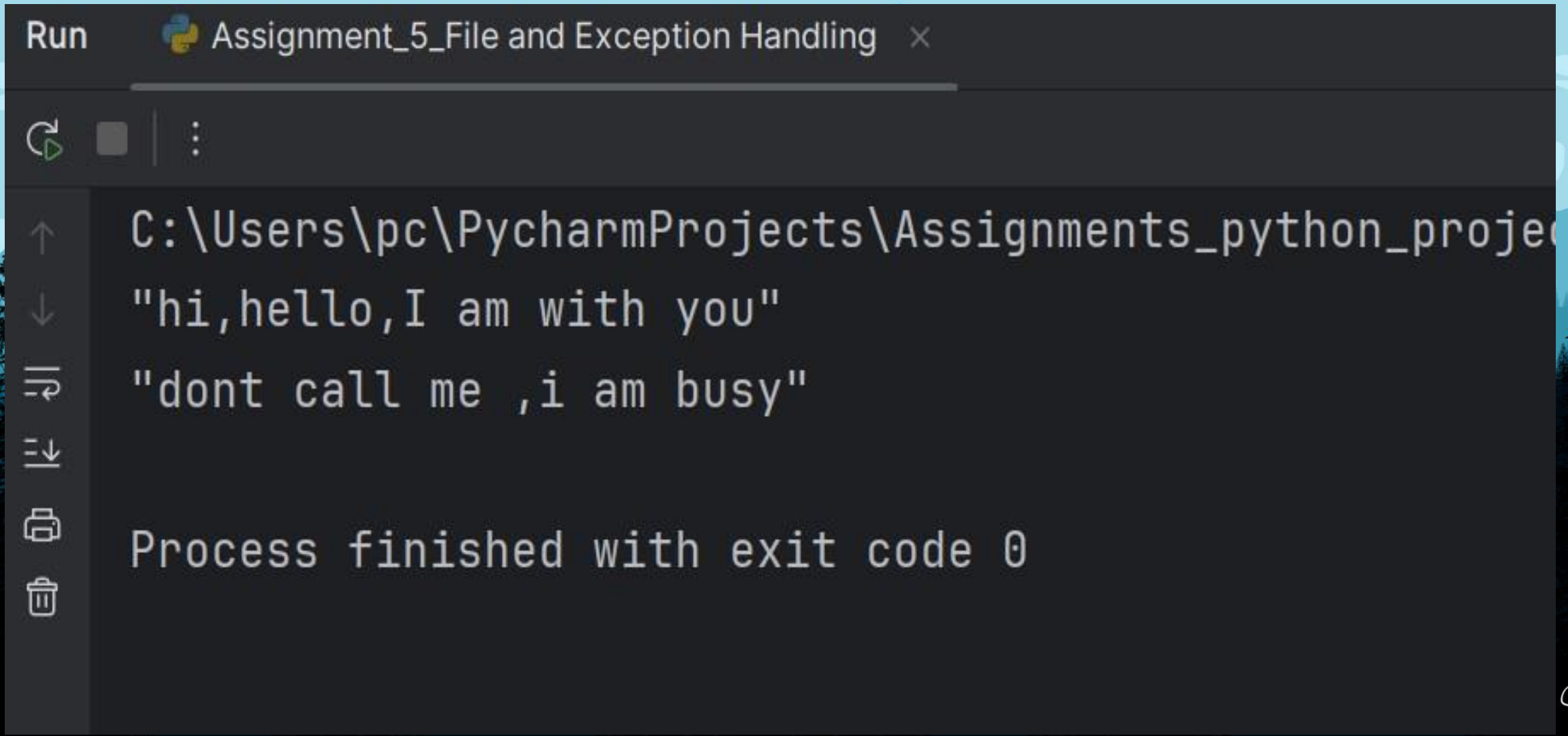


ASSIGNMENT _ 05

File and Exception Handling

Exercise 1: (score : 1)

Write a Python program to read a file and display its contents

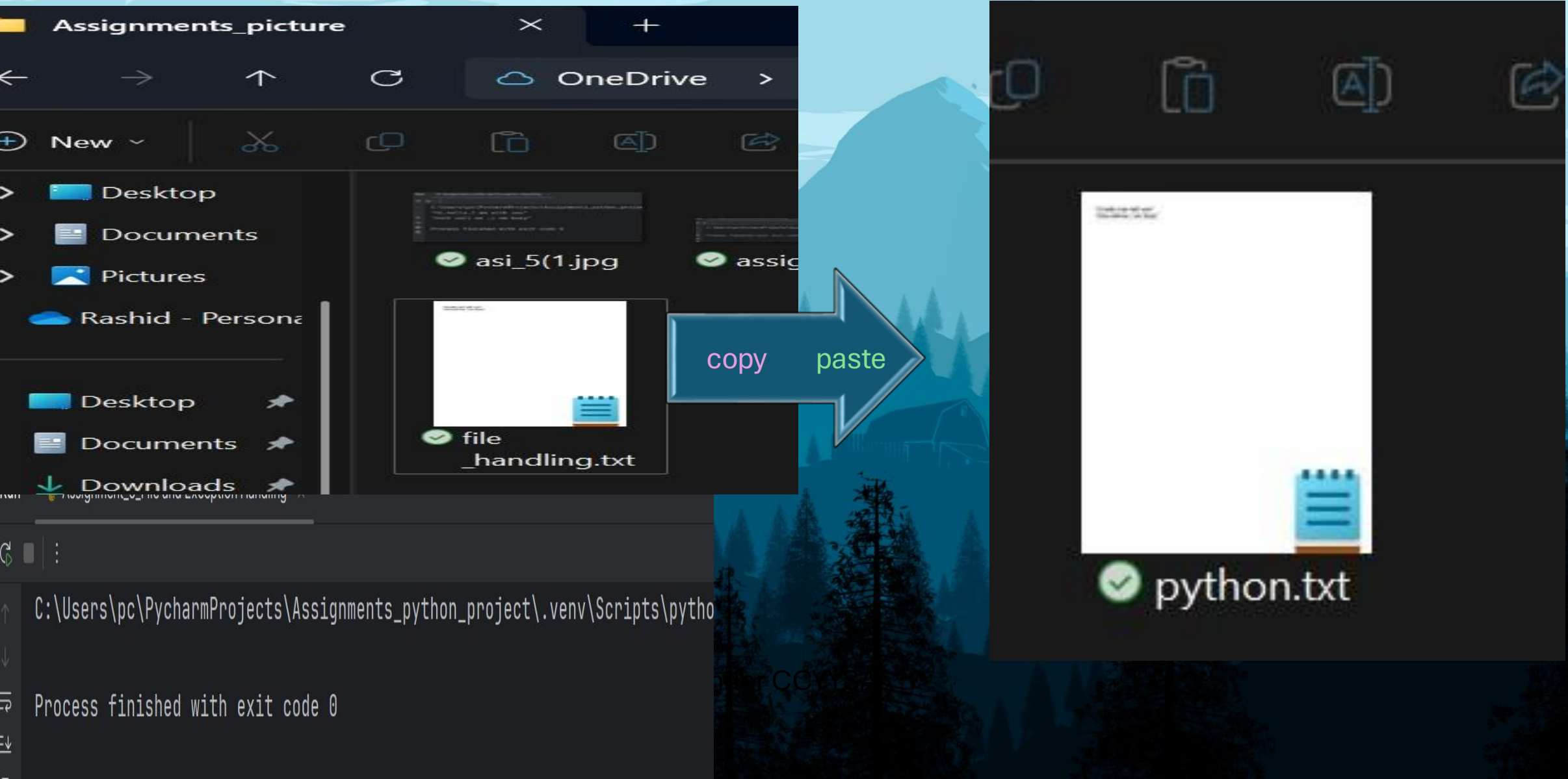


The screenshot shows a PyCharm Run console window. The title bar reads "Run" followed by a Python icon and the text "Assignment_5_File and Exception Handling". The console output displays the file path "C:\\Users\\pc\\PycharmProjects\\Assignments_python_projec", the string "hi,hello,I am with you", the string "dont call me ,i am busy", and the message "Process finished with exit code 0". On the left side of the console, there is a vertical toolbar with icons for running, debugging, and other actions.

```
Run Assignment_5_File and Exception Handling ×  
C:\\Users\\pc\\PycharmProjects\\Assignments_python_projec  
"hi,hello,I am with you"  
"dont call me ,i am busy"  
Process finished with exit code 0
```

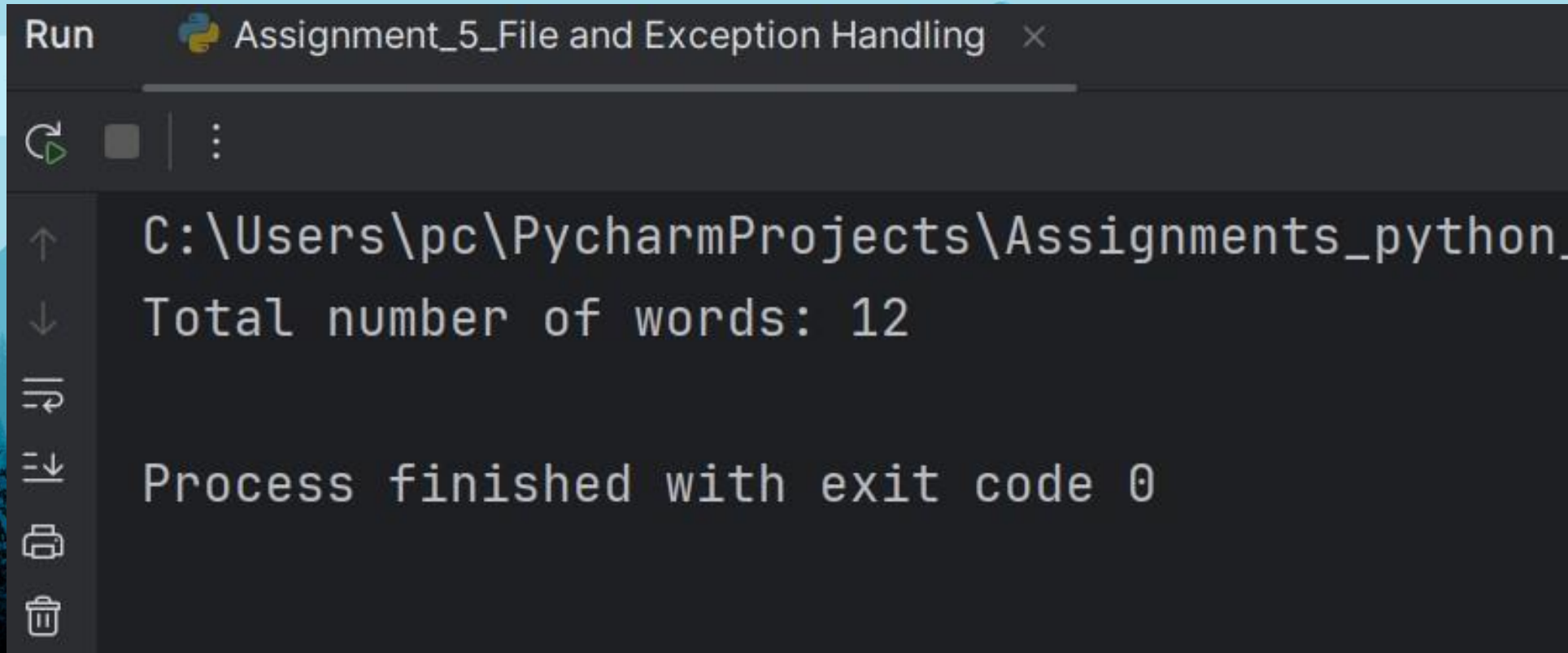
Exercise 2: (score : 1)

Write a Python program to copy the contents of one file to another file



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.

A screenshot of a PyCharm Run window. The title bar shows 'Run' and the file name 'Assignment_5_File and Exception Handling'. The console output displays the file path 'C:\Users\pc\PycharmProjects\Assignments_python...' and the result 'Total number of words: 12'. At the bottom, it states 'Process finished with exit code 0'. The left sidebar contains standard IDE icons for navigation and development.

```
Run Assignment_5_File and Exception Handling x
```

```
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
|
```

Run Assignment_5_File and Exception Handling x

```
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
```

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
```

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\Scripts\python.exe
```

```
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 x
```

```
C:\Users\pc\PycharmProjects\Assignments_python_project\.venv\Scripts\python.exe "C:\Users\pc\PycharmProjects\Assignments_python_project\Assignment_5_File and Exception Handling.py"
```

```
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
```