

Tasks and Results

Exercise 1: Write a Python program to read a file and display its contents

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe "C:\Users\hp\PycharmProjects\exercise_1\Assignment 5-File and Exception Handling.py"
welcome to the world of python

Process finished with exit code 0
```

Exercise 2:

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

```
14 firstfile=open('First_file.txt','r')
15 data=firstfile.read()
16 secondfile=open('second_file.txt','w')
17 secondfile.write(data)
18 secondfile.close()
19 secondfile=open('second_file.txt','r')
```

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe "C:\Users\hp\PycharmProjects\exercise_1\Assignment 5-File and Exception Handling.py"
welcome to the python world

Process finished with exit code 0
```

Exercise 3:

Write a Python program to read the content of a file and count the total number of words in that file.

```
28 num_of_words=0
29 with open("Newfile.txt",'r') as file:
30     content = file.read()
31     words = content.split()
32     word_count = len(words)
33 print("Total number of words:",word_count)
```

```
Run C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe "C:\Users\hp\PycharmProjects\exercise_1\Assignment 5-File and Exception Handling.py"
Total number of words: 4

Process finished with exit code 0
```

Exercise 4:

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

A terminal window showing the execution of a Python program. The user enters '14' when prompted 'enter a string:'. The program outputs 'The converted integer is: 14' and 'For proper execution enter number string'. The process finishes with exit code 0.

```
enter a string:14
The converted integer is: 14
For proper execution enter number string

Process finished with exit code 0
```

Exercise 5:

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.

A terminal window showing the execution of a Python program. The user enters '1 5 8 47 50' when prompted 'Please enter a list of integers:'. The program outputs 'All integers are positive. List accepted.' and 'Process finished with exit code 0'.

```
Please enter a list of integers: 1 5 8 47 50
All integers are positive. List accepted.

Process finished with exit code 0
```

Exercise 6:

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.

A terminal window showing the execution of a Python program. The user enters '1 54 32 85 14' when prompted 'Please enter a list of integers:'. The program outputs 'The average of the integers is: 37.2' and 'Program has finished running.' The process finishes with exit code 0.

```
Please enter a list of integers: 1 54 32 85 14
The average of the integers is: 37.2
Program has finished running.

Process finished with exit code 0
```

Exercise 7 :

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.

```
Please enter a filename to write to: Newfile  
File written successfully! Welcome message added.  
  
Process finished with exit code 0
```