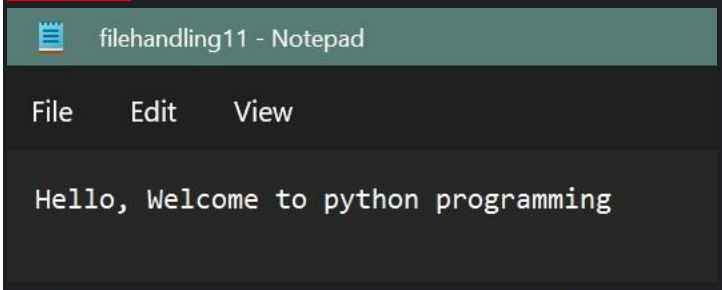
Exercise 1:

```
# Write a Python program to read a file and display its contents
file1=open("filehandling11.txt",'r')
print(file1.read())
```

OUTPUT:

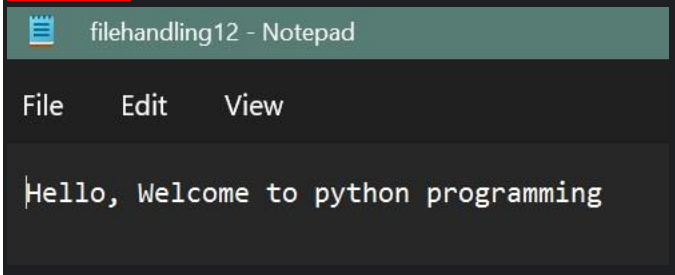



```
Hello, Welcome to python programming

Process finished with exit code 0
```

Exercise 2:

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

with open('filehandling11.txt', 'r') as file1, open('filehandling12.txt', 'w') as file2:
    file2.write(file1.read())
file3=open("filehandling12.txt",'r')
print(file3.read())
```

OUTPUT:




```
Hello, Welcome to python programming

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.

file1 = open("filehandling11.txt", 'r')
content = file1.read()
print(content)
print("Total number of words:", len(content.split()))
```

OUTPUT:

```
Hello, Welcome to python programming
Total number of words: 5

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

str=input("enter string which is to be converted to int:")
try:
    new_str=int(str)
    print("The string converted to integer:",new_str)
except Exception:
    print("This string cannot be converted to integer")
```

OUTPUT:

```
enter string which is to be converted to int:55
The string converted to integer: 55

Process finished with exit code 0

enter string which is to be converted to int:hai
This string cannot be converted to integer

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.
```

```
try:
    l1 = list(map(int, input("Enter a list of integers: ").split()))
    for i in l1:
        if i < 0:
            raise ValueError("Negative integer found", i)
except ValueError as e:
    print(f"Error: {e}")
```

OUTPUT:

```
Enter a list of integers: 1 -2 3
Error: ('Negative integer found', -2)

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.

try:
    numbers = list(map(int, input("Enter a list of integers: ").split()))
    average = sum(numbers) / len(numbers)
    print(f"The average is: {average}")
except ValueError:
    print("Error: Please enter only integers.")
finally:
    print("Thank you.")
```

OUTPUT:

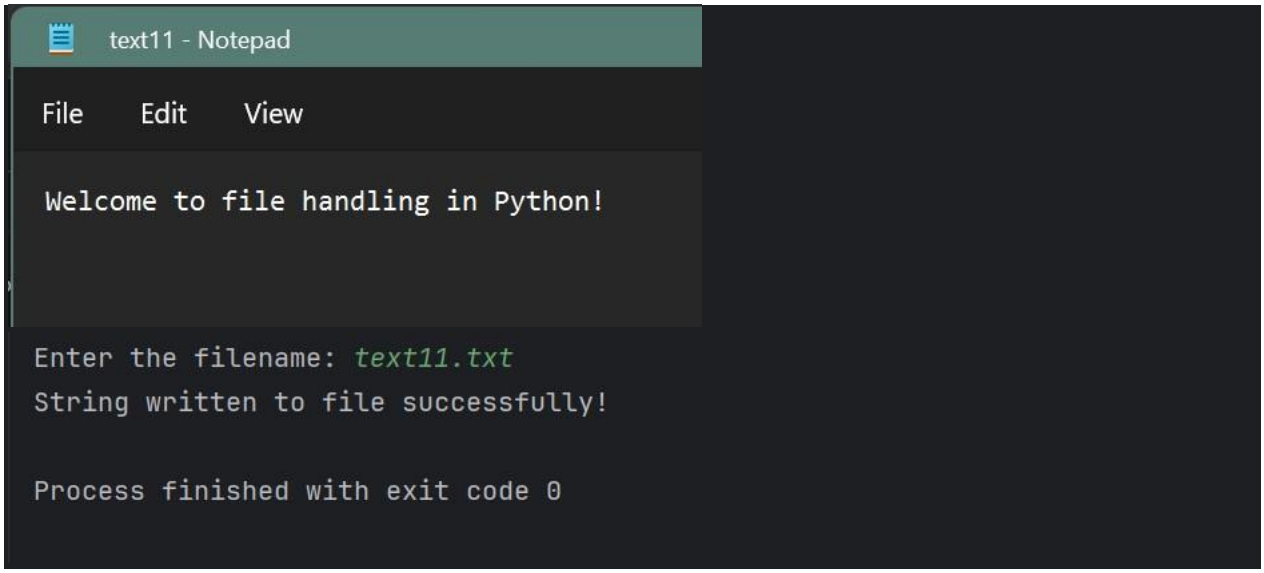
```
Enter a list of integers: 1 2 3 a b
Error: Please enter only integers.
Thank you.

Process finished with exit code 0
```

```
Enter a list of integers: 1 2 3 4  5
The average is: 3.0
Thank you.

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.

try:
    filename = input("Enter the filename: ")
    with open(filename, 'w') as file:
        file.write("Welcome to file handling in Python!\n")
        print(f"String written to file successfully!")
except Exception as e:
    print(f"An error occurred: {e}")
```

OUTPUT:


text11 - Notepad
File
Edit
View
Welcome to file handling in Python!
Enter the filename: text11.txt
String written to file successfully!
Process finished with exit code 0