Chapter 12 – Reading from and Writing to Files

Non-programming Assignment

1) How to read information from a file?

Reading information from a file in a programming context typically involves using the Input/Output (I/O) library provided by the programming language. For example, in Python, you can use the built-in open() function along with a with statement to ensure that the file is closed properly after reading, like so:

with open('path/to/file.txt', 'r') as file:

data = file.read()

print(data)

This code snippet opens a file in read mode ('r') and reads its content into the variable data. The with statement automatically handles opening and closing the file, even if an error occurs.

2) How to write information to a file?

Writing information to a file is similarly done using the I/O operations provided by the language. Continuing with the Python example, you can open a file in write mode ('w') and use the file object's .write() method:

with open('path/to/file.txt', 'w') as file:

file.write('Your message here')

This code snippet opens a file in write mode, which will overwrite the existing file if it exists, or create it if it doesn't, and then writes the specified message to the file. Using the with statement ensures the file is closed properly after writing.