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#Task 1: Read a File and Handle Errors:
# Create sample.txt with sample content
with open("sample.txt", "w") as file:
    file.write("This is a sample text file.\n")
    file.write("It contains multiple lines.\n")

print("sample.txt has been created.")
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sample.txt has been created.
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filename = "sample.txt"

try:
    file = open(filename, "r")
    print("Reading file content:\n")

    lines = file.readlines()
    for i in range(len(lines)):
        print("Line", i + 1, ":", lines[i].strip())

    file.close()

except FileNotFoundError:
    print("Error: The file", filename, "was not found.")
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Reading file content:

 Line 1 : This is a sample text file.
 Line 2 : It contains multiple lines.
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#Task 2: Write and Append Data to a File:
filename = "output.txt"

# Write to the file
print("Enter text to write to the file:")
write_text = input()
file = open(filename, "w")
file.write(write_text + "\n")
file.close()
print("Data successfully written to", filename + ".\n")

# Append to the file
print("Enter additional text to append:")
append_text = input()
file = open(filename, "a")
file.write(append_text + "\n")
file.close()
print("Data successfully appended.\n")

# Read and display final content
print("Final content of", filename + ":")
file = open(filename, "r")
for line in file:
    print(line.strip())
file.close()
```

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Enter text to write to the file:
hello python
Data successfully written to output.txt.

Enter additional text to append:
welcome
Data successfully appended.

Final content of output.txt:
hello python
welcome
```