file\_handling\_assignment.py

Task 1: File Creation and Writing

try:

Create a new file and write to it

with open('my\_file.txt', 'w') as file:

file.write("This is line 1.\n")

file.write("This is line 2 with a number: 12345.\n")

file.write("This is line 3, more text here.\n")

print("File 'my\_file.txt' created and written successfully.")

Task 2: File Reading and Display

with open('my\_file.txt', 'r') as file:

content = file.read()

print("\nReading from 'my\_file.txt':")

print(content)

Task 3: File Appending

with open('my\_file.txt', 'a') as file:

file.write("This is an appended line 4.\n")

file.write("Appending a new line 5 with number: 67890.\n")

file.write("Final appended line 6.\n")

print("\nFile 'my\_file.txt' updated with additional lines.")

Reading after appending to verify changes

with open('my\_file.txt', 'r') as file:

updated\_content = file.read()

print("\nReading updated content from 'my\_file.txt':")

print(updated\_content)

Task 4: Error Handling

except FileNotFoundError as fnf\_error:

print(f"Error: {fnf\_error}")

except PermissionError as perm\_error:

print(f"Error: {perm\_error}")

except Exception as e:

print(f"An unexpected error occurred: {e}")

finally:

print("\nFile handling operation completed.")