**Answers for Assignment 4**

**Task 1**

# Task 1: Read a File and Handle Errors

try:

# Open the file in read mode

with open('/home/badhusha/Disk1/Python programs/sample.txt', 'r') as file:

# Read and print its content line by line

for line in file:

print(line.strip())

except FileNotFoundError:

print("Error: The file 'sample.txt' does not exist.")

except Exception as e:

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

'''

This is line 1

This is line 2

'''

**Task 2**

# Task 2: Write and Append Data to a File

user\_input = input("Enter some data to write to the file: ")

# Write user input to the file

with open('output.txt', 'w') as file:

file.write(user\_input + '\n')

# Append additional data

additional\_data = "This is additional data appended to the file."

with open('output.txt', 'a') as file:

file.write(additional\_data + '\n')

# Read and display the final content of the file

with open('output.txt', 'r') as file:

print("\nFinal content of the file:")

print(file.read())

'''

Enter some data to write to the file: This is first line in the file

Final content of the file:

This is first line in the file

This is additional data appended to the file.

'''