Python Fundamentals (Assignment5)

Assignment Problems

Q1. Create a program that:

1. Opens a file *"names.txt"* in write mode
2. Writes 5 names (one per line) entered by the user
3. Then opens the same file in read mode and prints all names

Q2. Create a program that:

1. Opens a file *"log.txt"* in append mode
2. Adds a new log entry (like "Program run successfully")
3. Opens the file in read mode and prints all logs

Q3. Create a program that:

1. Has a list of numbers: `[5, 10, 15, 20, 25]`
2. Uses a list comprehension to create a new list with only numbers greater than 15
3. Prints the new list

Q4. Create a Python dictionary of 3 cities and their populations. Save it to *"cities.json"*.

1. Then load the JSON and print each city and its population.
2. Ask the user for a new city & its population – update this info in the json file.

Q5. Write a program that tries to open *"data.txt"* in read mode. If the file does not exist, catch the exception and print "File not found!".