Solve the following exercises for your practice
Every question should be implemented in its own Python file and pushed to a GitHub repository. Ensure that the file names are descriptive of the exercise they contain.

1. Variable Manipulation(Declaration and initialization):
   - Create three variables: `num1`, `num2`, and `num3`, and assign them integer values.
   - Calculate the average of these three numbers and store it in a variable called `average`.
   - Print out the result using an f-string.

2. String Operations:
   - Create a string variable called `sentence` containing any sentence of your choice.
   - Convert the sentence to uppercase and print it.
   - Convert the sentence to lowercase and print it.
   - Convert the first letter of each word in the sentence to uppercase and print it.

3. List Operations:
   - Create a list called `numbers` containing five integer values.
   - Print the list in its original order.
   - Sort the list in ascending order and print it.
   - Reverse the list and print it.
   - Print the length of the list.

Write a Python program to display the first and last colors from the following list.
color_list = ["Red","Green","White" ,"Black"]

Write a Python program to sum all the items in a list.

4. Data Type Conversion:
   - Create three variables: `x`, `y`, and `z`, and assign them values of different data types (integer, float, string).
   - Convert `x` and `y` to strings and concatenate them with `z`.
   - Print the result.

5. Comments:
   - Write a Python program that calculates the area of a circle. Make sure to include comments explaining each step of your code.

6. String Formatting:
   - Ask the user to input their first name and last name separately.
   - Use string formatting to print a message that says "Hello [First Name] [Last Name]! Welcome to Python programming."

7. String Methods:
   - Create a string variable containing a sentence with multiple words.

- Use string methods to count the number of occurrences of the letter 'a' in the sentence.
- Replace all occurrences of the letter 'a' with 'z' and print the modified sentence.

8. Nested Lists:
- Create a nested list containing three inner lists, each representing a student's scores in three subjects.
- Calculate the average score for each student and store it in a separate list.
- Print out the average score for each student.

These exercises are for the topics we've covered so far. Let me know if you need any help.