In- Class Exercise – Lists

INSTRUCTIONS: - Read the statements below and perform the tasks.

1. Assume that the variable **data** refers to the list [5, 3, 7]. Write the values of the following expressions:

    a. **data**[2]

    b. **data**[-1]

    c. len(**data**)

    d. **data** + [2, 10, 5]

2. Assume that the variable **data** refers to the list [5, 3, 7]. Write the expressions that perform the following tasks:

    a. Replace the value at position 0 in **data** with that value's negation.

    b. Add the value 10 to the end of **data**.

    c. Insert the value 22 at position 2 in **data**.

    d. Remove the value at position 1 in **data**.

    e. Sort the values in **data**.

3. Write a loop that accumulates the sum of the numbers in a list named **data**.