



Module 4: Data Structure Assignment

Problem Statement:

You work in XYZ Corporation as a Data Analyst. Your corporation has told you to work with the structure of the data.

Tasks To Be Performed:

1. Create a list named 'myList' that has the following elements: 10, 20, 30, 'apple', True, 8.10:
 - a. Now in the 'myList', append these values: 30, 40
 - b. After that, reverse the elements of the 'myList' and store that in 'reversedList'
2. Create a dictionary with key values as 1, 2, 3 and the values as 'data', 'information' and 'text':
 - a. After that, eliminate the 'text' value from the dictionary
 - b. Add 'features' in the dictionary
 - c. Fetch the 'data' element from the dictionary and display it in the output
3. Create a tuple and add these elements 1, 2, 3, apple, mango in my_tuple.
4. Create another tuple named numeric_tuple consisting of only integer values 10, 20, 30, 40, 50:
 - a. Find the minimum value from the numeric_tuple
 - b. Concatenate my_tuple with numeric_tuple and store the result in r1
 - c. Duplicate the tuple named my_tuple 2 times and store that in 'newdupli'
5. Create 2 sets with the names set1 and set2, where set1 contains {1,2,3,4,5} and set2 contains {2,3,7,6,1}

Perform the below operation:

- a. set1 union set2
- b. set1 intersection set2
- c. set1 difference set2