

## *Python Assignment - 3*

### *Lists*

1. City = ['Gurgaon', 'Mumbai', 'Bangalore']
  - i) Print the second item from the list.
  - ii) Change the value from "Gurgaon" to "Kerala"
  - iii) Remove the last element of the list.
2. Use negative indexing to print the last item in the list. Make a list by yourself.
3. Use a range of indexes to print the third, fourth, and fifth item in the list. Make a list by yourself.
4. Remove the last element from the city list
5. fruits=['apple', 'lichi', 'guava', 'cherry', 'mango', 'watermelon', 'banana']
  - i) Add "orange" at the end of the above list.
  - ii) Add "lemon" as the second item in the fruits list
6. Remove 'cherry' from the fruit list given above.
7. Write the python program to let the user input a list of numbers and print the list in descending order.
8. Write the python program to let the user input two lists and combine both the lists.
9. List = [10, 45, 78, 11, 9, 23]. Shuffle this list.

10. `x = [10, [3.141, 20, [30, 'baz', 2.718]], 'foo']`

i) What is the expression that returns the 'z' in 'baz'?

ii) What expression returns the list ['baz', 2.718]?

11. Extract element 20 from the above list.

12. You have a list `a = [1, 2, 7, 8]`

Write a Python statement using slice assignment that will fill in the missing values so that `a` equals `[1, 2, 3, 4, 5, 6, 7, 8]`