***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’,’watermelo n’,’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]