List Practice Questions

**Note: Basic**

Q1. Write a python program which iterates the whole list via loop and printing it.

Q2. Write a python program to take list as the input and print that list.

Q3. Write a python program which finds the value (n) in the given list = [4,5,3,2,1,6,8], if present then return True otherwise False.

Q4. The program which takes a list as input and prints the largest number in the list.

Q5. The program which takes a list as input and prints the smallest number in the list.

Q6. The program which takes a list as input and prints the second largest number in the list.

Q7. The program takes the elements of the list one by one and displays the average of the elements of the list.

Q8. Write a python program which calculates the sum of all the numbers of a list.

Q9. Take a list as an input and create one more list of even numbers of that list by iterating that list.

Q10. Take a list as an input and find the count of occurrences of the entered number.

Q11. The program takes a list and puts the even and odd elements in it into two separate lists.

Q12. The program takes a list and swaps the first and last value of the list.

Q13. Take the list as input and reverse that list.

Q14. The program which takes a list and print another list which have the squares of the entered list.

Q15. The program which takes a list and calculate the sum of cubes of all the elements of the list

**Note: Intermediate**

Q1. Write a python programme to input two lists and display the maximum elements from the elements of both the lists combined, along with the index in its list.

Q2. Write a python programme, which is the sum of elements of the list without using the built -in function

Q3. Write a program input a list ‘lst’ and two numbers M and N. Then create a list from those ‘lst’ elements which are divisible by both M and N.

Q4. Write a python programme to convert a list into a number Example: L =[ 2 , 3,4 78 ,9] Output = 234789

Q5. Write a programme to input a list of numbers and swap elements at the even location with the element at the odd location

Sample input = [2, 3 ,4 ,5 7 ,9]

Output = [3, 2, 5 ,4 ,9 ,7]

Q6. Create a list containing the squares of the first 10 natural numbers.

OUTPUT = [1, 4, 9, 16, 25, 36, 49, 64, 81, 100]

Q7. Write a python programme that returns the count of unique elements in the list

Q8. Remove empty list from a list and return the list should not contain any empty list

Input = [5, 6, [], 3, [], [], 9]

Output = [5 ,6 ,3 ,9]

Q9. The program takes two lists, merges them and sorts the merged list.

Q10. The program takes two lists and combine those two lists.

**Note: Advance**

Q1. Write a python programme to check if a list is palindrome or not. List = [2 ,2 ,4 ,3]

Q2. Write a Python program that will replace the values of the list if the element of the list is divisible by 3 then it replaces it with “Fizz” and if the element is divisible by 5 then it replaces it with “buzz” and if the element is divisible by both 3 and 5 then it prints “FizzBuzz”.

Input = [1,2,3,4,5,6,7,8,11,15,17,30]

Output = [1, 2, ”Fizz”, 4, ”Buzz”, ”fizz”, 7, 8, 11, ”FizzBuzz”, 17, ”FizzBuzz”]

Q3. Write a python programme to find the list with the greatest sum of elements from a given list of list. L = [[1,2,3], [2,3,13,17], [10,11,12], [7,700,9]]

Q4. Write a python to read a list of n elements. Pass a list to a code which reverse this list in place without creating a new list

LIST COMPREHENSION

NOTE: Do all below questions using list comprehension.

Q1. Create a list of all of the numbers from 1-1000 that are divisible by 7

Q2. Create a List of Squares of numbers from 1 to 10

Q3. Create a list of even numbers squared and odd numbers cubed from 1 to 10

Q4. Generate a list of common multiples of 3 and 5 up to 100

Q5. Generate a list of prime numbers from 1 to 50

Q6. Generate a list of numbers that are powers of 2 from 1 to 10