COMSATS University Islamabad, Vehari Campus
Department of Computer Science

CSC336-Web Technologies

Assignment # 2

Distribution Date: October 05, 2021
Submission Date: **October 11, 2021**

Note:

- Assignment is individual, so no cheating will be acceptable. Do your own efforts.
- Assignment must be submitted in hand written format as well as CU Online for .py files.
- Appropriate penalty is charged in case of late submissions i.e. losing 20% marks per day

1. **Exercise programs on operators & I/O operations**.

   a) Implement python script to read person's age from keyboard and display whether he is eligible for voting or not.

2. **Exercise programs on Lists.**

   a) Finding the sum and average of given numbers using lists.
   b) To display elements of list in reverse order.
   c) Finding the minimum and maximum elements in the lists.

3. **Exercise programs on Strings.**

   a) Implement Python Script to check given string is palindrome or not.
   b) Implement python script to accept line of text and find the number of characters, number of vowels and number of blank spaces in it.

4. **Exercise programs on functions.**

   a) Define a function max_of_three() that takes three numbers as arguments and returns the largest of them.
   b) Write a program which makes use of function to display all such numbers which are divisible by 7 but are not a multiple of 5, between 1000 and 2000.

5. **Exercise programs on Tuples.**

   a) Write a program which accepts a sequence of comma-separated numbers from console and generate a list and a tuple which contains every number. Suppose the following input is supplied to the program: 34, 67, 55, 33, 12, 98. Then, the output should be: ['34', '67', '55', '33', '12', '98'] ('34',67', '55', '33', '12', '98').

   b) With a given tuple (1, 2, 3, 4, 5, 6, 7, 8, 9, 10), write a program to print the first half values in one line and the last half values in one line.

Best of Luck!☺