National Vocational & Technical Training Commission
Institute of Electrical, Electronics and Computer Engineering
University of the Punjab

Artificial Intelligence C1 & C2
Assignment 01 : 31/05/2023
Module 1 : Week 2

Submission Requirements: Please upload your codes in PDF File on Google Classroom in the relevant Assignment section.

Note: Plagiarism is a serious violation. Zero marks will be awarded in case plagiarism is found.

Task1:

Write a Python program using function to count the number of strings from a given list of strings. The string length is 2 or more and the first and last characters are the same.

Task 2

Write a Python program to get a list, sorted in increasing order by the last element in each tuple from a given list of non-empty tuples.
Sample List : [(2, 5), (1, 2), (4, 4), (2, 3), (2, 1)]
Expected Result : [(2, 1), (1, 2), (2, 3), (4, 4), (2, 5)]

Task3:

Here is your list of elements [1,0,6,2,0.8,9,'Jamal','Adeel','Hamza','Ali','Jawad','C','Q',P]

Write a lambda expression which gernernates these results

Result 1:[0,0.8,1,2,6,9]

Result 2:['Jamal','Adeel','Hamza','Ali','Jawad']

Result 3:["Adeel","Ali","Hamaza","Jamal","Jawad"]

Result 4: ["C","P","Q"]

Result5: Multiply each number of list with 5

Task 4:

Create a file with name Try.txt and write code of python in function structure which what nested functions
1. Def read()

  You can display the result of upper question in it

2. Def write()

> *You will save the result of all question in files with with question number.*

Also apply try and except in case file does not exist then exception case will run.