



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



Artificial Intelligence C1 & C2
Assignment 01 : 30/05/2023
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.

Task 1:

Write a function which take numerical list and return number of list even odd prime

Task 2:

Write a python function which take this list = ["Jamal", "Hamza", "Ali", "c", "P"] and return two list one for string and other of characters like String_list=["Jamal", "Hamza", "Ali"] and character_list=["c", "P"]

Task 3:

Write a function which return list each element datatype in new list same at that position of element.

List1= [5,9,8,6,0,2,2,a,b,c,Jamal] so according to this solution will be this

*Hint:*list1_solution=[int,int,int,int,int,int,int,ch,ch,ch,str]

Task 4:

Make a list, List= [1,nan,4,5,6,0,6,7]

The function should return:

- a)Most Repeating values
- b)Display nan values
- c)Highest value
- d)Prime number

Task 5:

[8,10,a,b,s,f,99,'fine','Education',6,53,'Pass']

- a)The Function should return only
- b)Numeric Value
- c)Character
- d)string