**Fall 2023: CS5720**

**Neural Networks and Deep Learning - ICP-2**

1.Write a program that takes two strings from the user: first\_name, last\_name. Pass these variables to fullname function that should return the (full name). o For example: ▪ First\_name = “your first name”, last\_name = “your last name” ▪ Full\_name = “your full name” o Write function named “string\_alternative” that returns every other char in the full\_name string. Str = “Good evening” Output: Go vnn

Note: You need to create a function named “string\_alternative” for this program and call it from main function.

def wordAlt (ouput):

substr = output[::2]

return substr

def FullName(fst, lst):

str = fst+" "+lst

return str

fst = input()

lst =input ()

output = FullName (fst,lst)

alternate = wordsAlt(output)

print(alternate)

Output:

prem sai aravind

Bevanasankalla

pe a rvn Bvnsnal

1. Write a python program to find the wordcount in a file (input.txt) for each line and then print the output. o Finally store the output in output.txt file.

Example: Input: a file includes two lines:

Python Course

Deep Learning Course

Output:

Python Course

Deep Learning Course

Word\_Count:

Python: 1

Course: 2

Deep: 1

Learning: 1

3. Write a program, which reads heights (inches.) of customers into a list and convert these heights to centimeters in a separate list using:

1) Nested Interactive loop.

2) List comprehensions Example:

p=[]

y=[]

x=int(input("No of hights"))

for i in range (x):

p.append(float(input()))

for j in range(x):

y.append(p[j]/2.204)

print(y)

L1: [150,155, 145, 148]

Output: [68.03, 70.3, 65.77, 67.13]