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**ICP2**

**Program1:**

# 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”

First\_name=input("Enter your first name:")

last\_name=input("Enter the last name:")

Full\_name= First\_name + last\_name # string concatenation

print("your full name :" + Full\_name)

# 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.

str=Full\_name

def string\_alernative(str):

    Output=""

    for index,char in enumerate (str): # enumerating the string

        if index % 2 == 0: # here we are taking the alternate charcters

            Output += char #appending to the output

    return Output

resultstr=string\_alernative(str)

print(resultstr)

**Output:**

A screenshot of a computer

Description automatically generated

**Program2:**

import re

fre\_word = {}

text\_read= open('input.txt', 'r')

text\_string = text\_read.read().lower()

match\_pattern = re.findall(r'\b[a-z]{3,15}\b', text\_string)

for word in match\_pattern:

    count = fre\_word.get(word,0)

    fre\_word[word] = count + 1

frequency\_list = fre\_word.keys()

f= open("output.txt","w")

for words in frequency\_list:

    result= words + " " + str(fre\_word[words])

    f.write(result+"\n")

**Output**:

A screenshot of a computer

Description automatically generated

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Description automatically generated

**Program3**:

height\_in=[]

customers=int(input("Enter the no of customers:"))

for i in range(customers):

    height\_ins= float(input("Enter the customers height ".format(i+1)))

    height\_in.append(height\_ins)

height\_cm=[i\*2.54 for i in height\_in]

print("height in inches",height\_in)

print("height in centimeters",height\_cm)

**Output**:

A screenshot of a computer

Description automatically generated

GitHub Link:

<https://github.com/teja375/DNN/tree/main/ICP2>