

Github link : <https://github.com/AnishKoppula1/NeuralAssignment2>

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).

```
def fullname(f_Name, l_Name):  
    return f_Name + " " + l_Name  
  
first_Name = input("Enter your First Name : ")  
last_Name = input("Enter your Last Name : ")  
  
print(fullname(first_Name, last_Name))
```

2. Write function named "string_alternative" that returns every other char in the full_name string. Str = "Good evening"

```
sentence = input("Enter any Sentence : ")  
result = ""  
for i in range(0, len(sentence)):  
    if(i%2 == 0):  
        result += sentence[i]  
print(result)
```

3. 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.

```
inpf = "C:\\Users\\koppu\\OneDrive\\Desktop\\icp2_folder\\input.txt"  
with open(inpf, 'r') as input_file:  
    lines = input_file.readlines()  
  
words_count = []  
lin = 1  
for line in lines:  
    words = line.split()  
    words_count.append(len(words))  
    print("line " + str(lin) + " : " + str(len(words)))  
    lin+=1  
cnt = 0  
for i in range(len(words_count)):  
    cnt += words_count[i]  
print("total count : " + str(cnt))  
outf = "C:\\Users\\koppu\\OneDrive\\Desktop\\icp2_folder\\output.txt"  
with open(outf, 'w') as output_file:  
    for count in words_count:  
        output_file.write(f"{count}\n")
```

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

1) Nested Interactive loop.

```
n = int(input("enter no of customers : "))
height_inches = []
height_cm = []
print("enter heights in inches")
for i in range(0,n):
    height_inches.append(int(input()))
    height_cm.append(round(height_inches[i]/2.205,2))
print(height_cm)
```

2) List comprehensions.

```
n = int(input("enter no of customers : "))
height_inches = []
print("enter heights in inches")
for i in range(0,n):
    height_inches.append(int(input()))
height_cm = [round(x/2.205,2) for x in height_inches]
print(height_cm)
```