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**NEURAL NETWORK AND DEEP LEARNING ASSIGNMENT-1**

**GITHUB LINK**:- <https://github.com/revathiatchi/NeuralAssignment1.git>

1. A) Write a python program for the following: – Input the string “Python” as a list of characters from console, delete at least 2 characters, reverse the resultant string and print it.

def reverse(str): # Defining string

       return str[::-1] #Returning the output

x=("python".replace('ho','')) #Replacing the character

print(reverse(x))

Output:-

A computer code with text

Description automatically generated

1. B) Take two numbers from user and perform at least 4 arithmetic operations on them.

a=7 #number1

b=3 #number2

print("Sum = ",a+b) #Adding of numbers

print("Diff = ",a-b) #Difference between 2 numbers

print("Multiply = ", a\*b) #Multiplying of Numbers

print("Division = ", a/b)#Division of number

**Output:**

**A screenshot of a computer

Description automatically generated**

1. Write a program that accepts a sentence and replace each occurrence of ‘python’ with ‘pythons’.

**Input**: I love playing with python

str="I love playing with python"

print(str.replace('python','pythons')) #Replacing one string with another

**Output:-**

**A blue text box with red and green text

Description automatically generated**

1. Use the if statement conditions to write a program to print the letter grade based on an input class score. Use the grading scheme we are using in this class.

sub1=64

sub2=33

total=sub1+sub2

if(total>=90):

 print("Your grade is A")

elif(total>=70 and total<90):

 print("Your grade is B")

elif(total>=50 and total <70):

 print("Your grade is C")

else:

 print("Your grade is F")

**Output:-**

A screenshot of a computer code

Description automatically generated