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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:-

```
def reverse(str): # Defining string
    return str[::-1] #Returning the output
x=("python".replace('ho','')) #Replacing the character
print(reverse(x))
```

[26] ✓ 0.0s

```
ntyp
```

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=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
```

[27] ✓ 0.0s

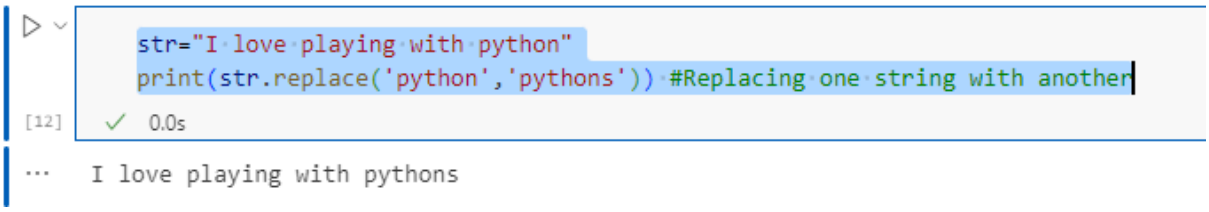
```
Sum =  10
Diff =  4
Multiply =  21
Division =  2.3333333333333335
```

2) 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
```

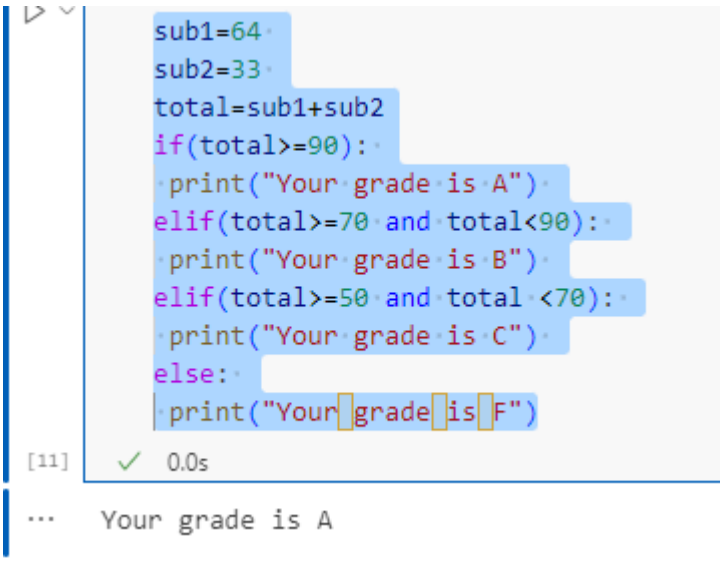
Output:-



3) 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:-