

# Spring 2024: CS5720 NEURAL NETWORK AND DEEP LEARNING

## CRN: 22317 Assignment-1

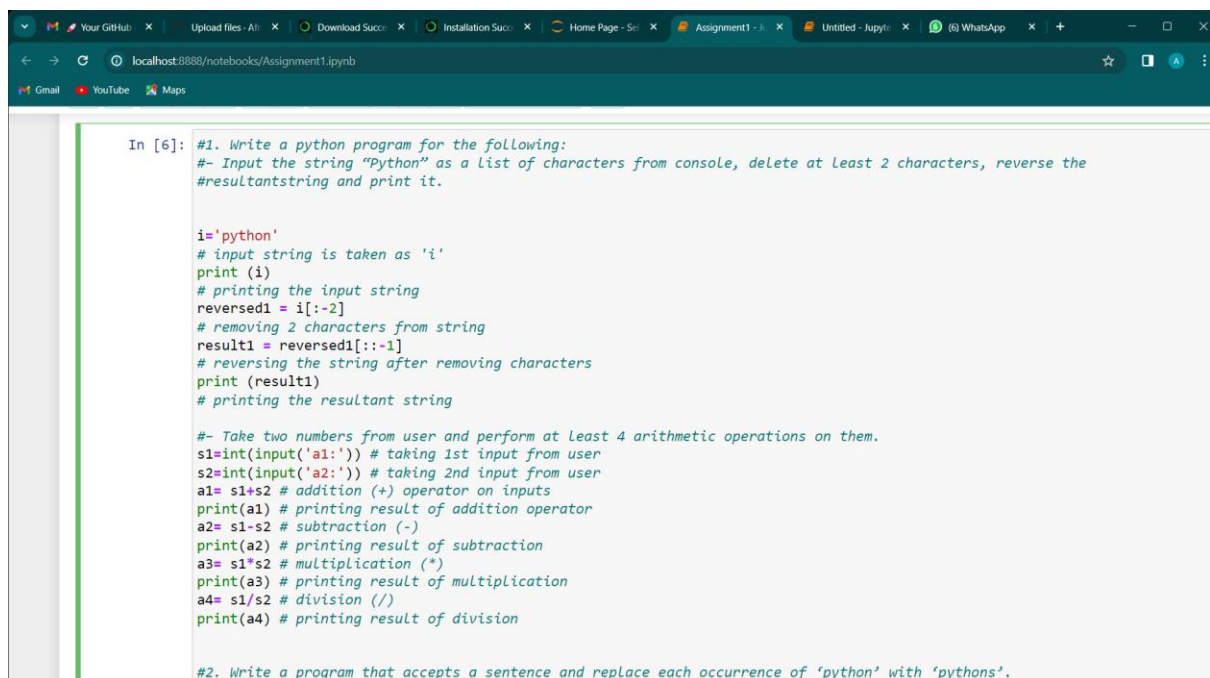
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GitHub link : [https://github.com/Afrozmohammad19/Assignment\\_1](https://github.com/Afrozmohammad19/Assignment_1)

Video Link: <https://drive.google.com/file/d/1eI9ZEbV8iU1B-JRJA4yL2Wx6QwZAOW6k/view?usp=sharing>

1. 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.



```
In [6]: #1. 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
#resultantstring and print it.

i='python'
# input string is taken as 'i'
print (i)
# printing the input string
reversed1 = i[:-2]
# removing 2 characters from string
result1 = reversed1[::-1]
# reversing the string after removing characters
print (result1)
# printing the resultant string

#- Take two numbers from user and perform at Least 4 arithmetic operations on them.
s1=int(input('a1:')) # taking 1st input from user
s2=int(input('a2:')) # taking 2nd input from user
a1= s1+s2 # addition (+) operator on inputs
print(a1) # printing result of addition operator
a2= s1-s2 # subtraction (-)
print(a2) # printing result of subtraction
a3= s1*s2 # multiplication (*)
print(a3) # printing result of multiplication
a4= s1/s2 # division (/)
print(a4) # printing result of division

#2. Write a program that accepts a sentence and replace each occurrence of 'python' with 'pythons'.
```

Output:

```
python
htyp
a1:8
a2:2
10
6
16
4.0
- . . . . .
```

2. Write a program that accepts a sentence and replace each occurrence of 'python' with 'pythons'.

```
#2. Write a program that accepts a sentence and replace each occurrence of 'python' with 'pythons'.  
s=input("Enter a string")# input string  
y=s.replace('python','pythons') # replacing the desired string  
print(y) # printing the desired string
```

Output:

```
4.0  
Enter a stringI love coding in python.  
I love coding in pythons.  
enter to check grade:95
```

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.

```
result=int(input('enter to check grade:')) # taking input from user  
if(result>=90): # applying if condition  
    print('grade is A')  
elif(result>=80):  
    print('grade is B')  
elif(result>=70):  
    print('grade is C')  
else:  
    print("grade is Fail") # printing the grades according to the percentage
```

Output:

```
enter to check grade:95  
grade is A
```