

Spring 2024:CS5720 NEURAL NETWORK AND DEEP LEARNING

CRN:22317 Assignment-1

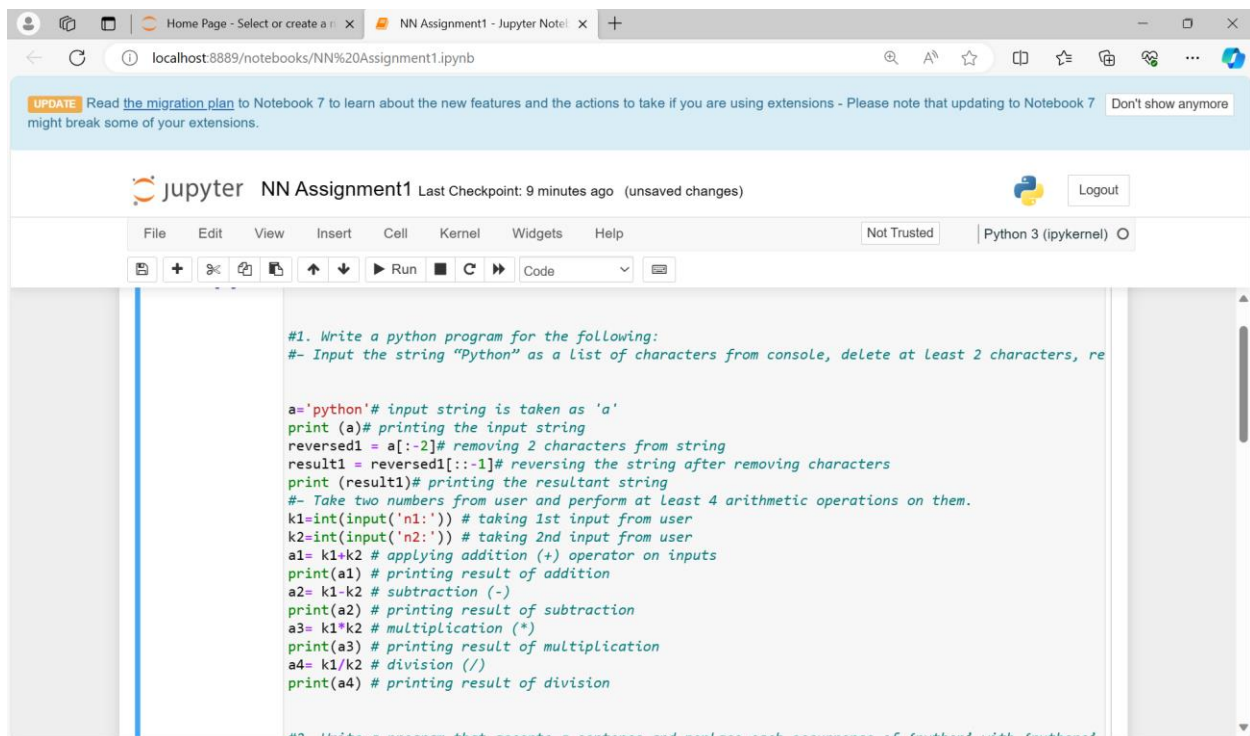
Name: Sai Sushma Sri Bireddy, Student Id:700747557

GitHub link: https://github.com/SaiSushmaSriBireddy/Assignment_1

Video link: https://drive.google.com/file/d/1-Sepvzpv3cEWOACvb-apBzdMD_70IO14/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.



The screenshot shows a Jupyter Notebook titled "NN Assignment1" running on a local host. The notebook contains a Python program that takes the string "python" as input, removes the last two characters, reverses the remaining string, and prints the result. The program also includes a section for arithmetic operations on two user inputs.

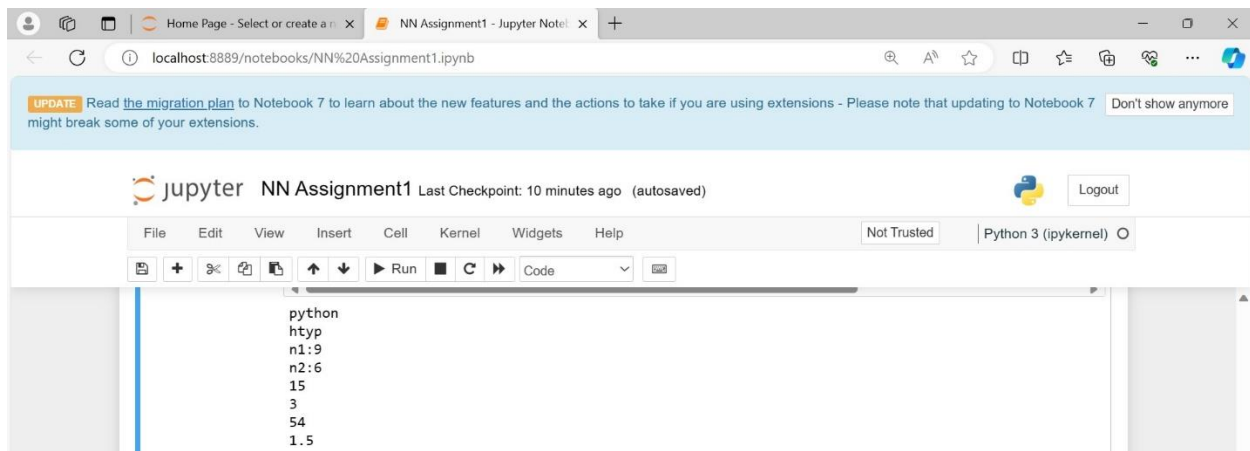
```
#1. Write a python program for the following:
#- Input the string "Python" as a list of characters from console, delete at least 2 characters, reverse the resultant string and print it.

a='python'# input string is taken as 'a'
print(a)# printing the input string
reversed1 = a[:-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.
k1=int(input('n1:')) # taking 1st input from user
k2=int(input('n2:')) # taking 2nd input from user
a1= k1+k2 # applying addition (+) operator on inputs
print(a1) # printing result of addition
a2= k1-k2 # subtraction (-)
print(a2) # printing result of subtraction
a3= k1*k2 # multiplication (*)
print(a3) # printing result of multiplication
a4= k1/k2 # division (/)
print(a4) # printing result of division

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

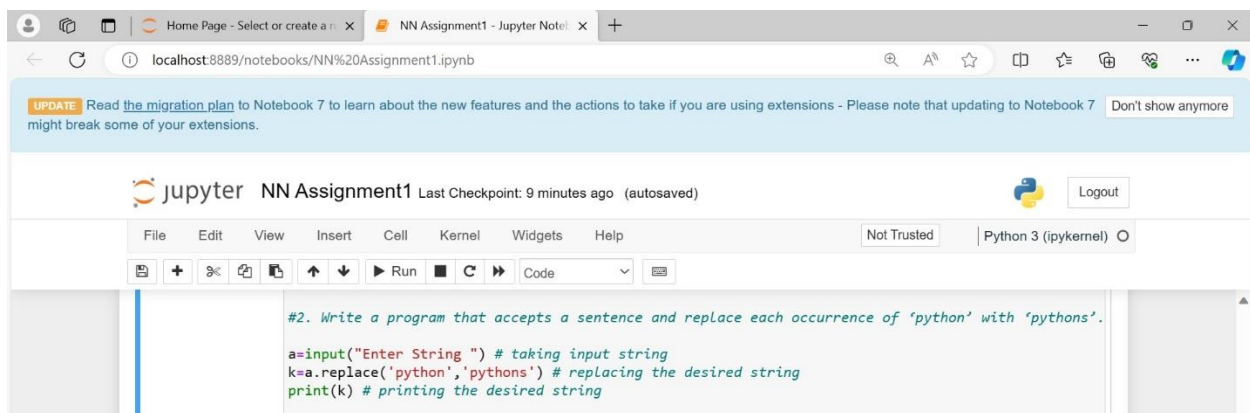
Output:



The screenshot shows a Jupyter Notebook window titled "NN Assignment1". The browser address bar indicates the URL is "localhost:8889/notebooks/NN%20Assignment1.ipynb". The notebook interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations and execution. The code cell contains the following text:

```
python
htyp
n1:9
n2:6
15
3
54
1.5
```

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



The screenshot shows the same Jupyter Notebook window. The code cell now contains a Python program that implements the requested functionality:

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

Output-

Enter String Coding in python is easy when compared to other
Coding in pythons is easy when compared to other

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.

```
#3. Use the if statement conditions to write a program to print the Letter grade based on an input
#grading scheme we are using in this class.

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

Output-

```
enter to check grade:87
grade is B
```

In []: