

NEURAL NETWORK & DEEP LEARNING

ASSIGNMENT 1

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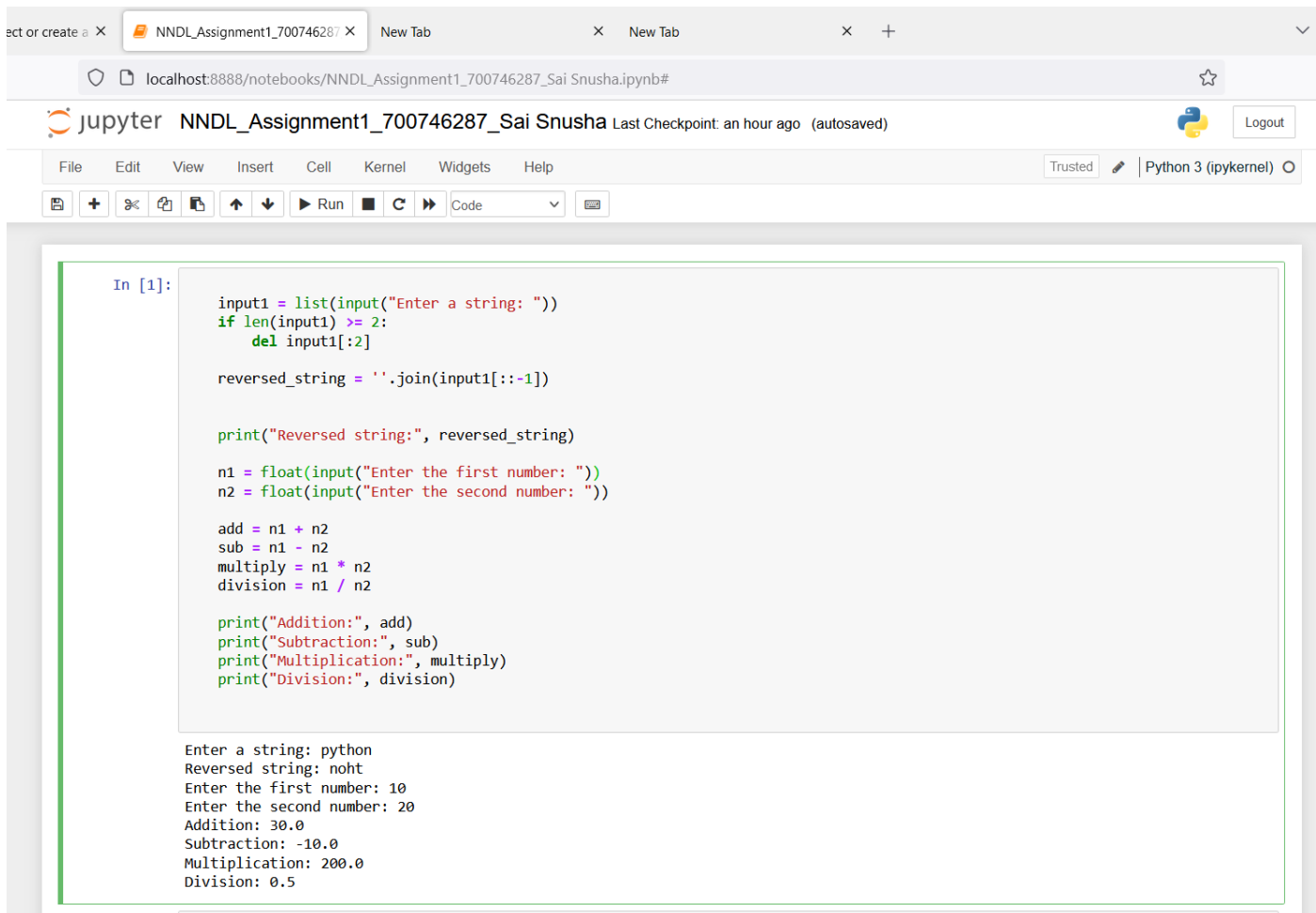
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Git hub Link: https://github.com/NSnusha/NNDL_Assignment1

Video

link: https://drive.google.com/file/d/1wJmux74mvybSU_aqybMryYf0XUzIlwr0/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. Sample input: •python
•Sample output: •ntyp – Take two numbers from user and perform at least 4 arithmetic operations on them.



The screenshot shows a Jupyter Notebook interface with a browser window at the top displaying the URL `localhost:8888/notebooks/NNDL_Assignment1_700746287_Sai Snusha.ipynb#`. The notebook title is `NNDL_Assignment1_700746287_Sai Snusha` and it shows the last checkpoint was saved an hour ago. The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, running, and code execution. The main area contains a code cell with the following Python code:

```
In [1]:  
  
input1 = list(input("Enter a string: "))  
if len(input1) >= 2:  
    del input1[:2]  
  
reversed_string = ''.join(input1[::-1])  
  
print("Reversed string:", reversed_string)  
  
n1 = float(input("Enter the first number: "))  
n2 = float(input("Enter the second number: "))  
  
add = n1 + n2  
sub = n1 - n2  
multiply = n1 * n2  
division = n1 / n2  
  
print("Addition:", add)  
print("Subtraction:", sub)  
print("Multiplication:", multiply)  
print("Division:", division)
```

Below the code cell, the output of the program is displayed:

```
Enter a string: python  
Reversed string: noht  
Enter the first number: 10  
Enter the second number: 20  
Addition: 30.0  
Subtraction: -10.0  
Multiplication: 200.0  
Division: 0.5
```

2. Write a program that accepts a sentence and replace each occurrence of 'python' with 'pythons'. •Sample input: •I love playing with python •Sample output: •I love playing with pythons

```
In [2]: sentence1 = input("Enter a sentence: ")
        sentence2 = sentence1.replace('python', 'pythons')
        print("Modified sentence:", sentence2)

Enter a sentence: python is a programming language
Modified sentence: pythons is a programming language
```

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.

```
In [3]: input1= float(input("Enter your marks"))
        if 90 <= input1 <=100:
            print("A")
        elif input1 >= 80:
            print("B")
        elif input1 >= 70:
            print("C")
        elif input1 >= 60:
            print("D")
        else :
            print("F")
```

Enter your marks95
A

In []: