Fall 2023: CS5720

**Neural Networks & Deep Learning - ICP-1**

**GITHUBLINK :** [**https://github.com/sohith0912/NN1.git**](https://github.com/sohith0912/NN1.git)

**SOHITH SOMA**

**700735874**

**Note: Code quality (in terms of time and space complexity) is highly valued**

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

*Sample input:*

•python

* + - *Sample output:*

•ntyp

ANSWER:-

n="python"

n=n.replace("h","")

n=n.replace("o","")

n=n[: : -1]

print(n)

* + Take two numbers from user and perform at least 4 arithmetic operations on them.

Answer:-

n=int(input())

m=int(input())

print(n+m)

print(n-m)

print(n\*m)

print(n//m

1. 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

Answer:-

n="•I love playing with python"

n=n.replace("python","pythons")

print(n)

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.

Answer:-

score = int(input())

if score < 60:

print("Your grade is an F")

elif score <= 60:

print("grade d")

elif score <= 70:

print("grade c")

elif score <= 80:

print("grade b")

elif score <= 100:

print("grade a")

else:

print("wrong score")

\*\* Follow the IPC rubric guidelines.

# Submission Guidelines:

1. Once finished present your work during class time.
2. Once completed submit your source code and documentation to GitHub and represent the work in a ReadMe file properly (short summary for the ICP).

# After class submission:

1. Complete your work and submit to your repo before the deadline.
2. Record a short video (1~3) minute, explaining the technical part and method used.
3. Add video link to ReadMe file.

**Note:** *Cheating, plagiarism, disruptive behavior and other forms of unacceptable conduct are subject to strong sanctions in accordance with university policy.*