Spring 2024: CS5720 Neural Networks & Deep Learning - ICP-1
Assignment-1
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Video Link:
https://drive.google.com/file/d/1VgcUkXfUqVju1S9ZS34l0rMl_ue95aRP/view?usp=drive_link

GitHub Link: https://github.com/Sangeetha-Baddam/Assignment_1

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.

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

```python
s1 = input("Enter the string :")
s2 =list(s1.strip())
print(type(s1))
print(s2)
s2.pop(-3)
s2.pop(-2)
print(s2)
s2.reverse()
s1 = ''.join(s2)
print(s1)
num1 = 10
num2 = 5
#taking two numbers and performing arithmetic operstions.
sum = num1 + num2
#addition
difference = num1 - num2
#subtraction
product = num1 * num2
#multiplicaton
quotient = num1 / num2
#division
print(f"Sum: {sum}")
print(f"Difference: {difference}")
print(f"Product: {product}")
print(f"Quotient: {quotient}")

Enter the string :python
<class 'str'>
['p', 'y', 't', 'h', 'o', 'n']
['p', 'y', 't', 'n']
ntyp
Sum: 15
Difference: 5
Product: 50
Quotient: 2.0
```

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

```
temp = input("Enter the sentence :")

temp = temp.replace('python', 'pythons')
print("Updated string is : ")
print(temp)

Enter the sentence :i love python
Updated string is :
i love pythons
```

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 the class.

```
class_score = int(input("Enter your class score: "))

if class_score >= 90:
    letter_grade = "A"
elif class_score >= 80:
    letter_grade = "B"
elif class_score >= 70:
    letter_grade = "C"
elif class_score >= 60:
    letter_grade = "D"
else:
    letter_grade = "F"

print(f"Your letter grade for a score of {class_score} is: {letter_grade}")

Enter your class score: 78
Your letter grade for a score of 78 is: C
```