ASSIGNMENT – 1

DEEP LEARNING NEURAL NETWORKS

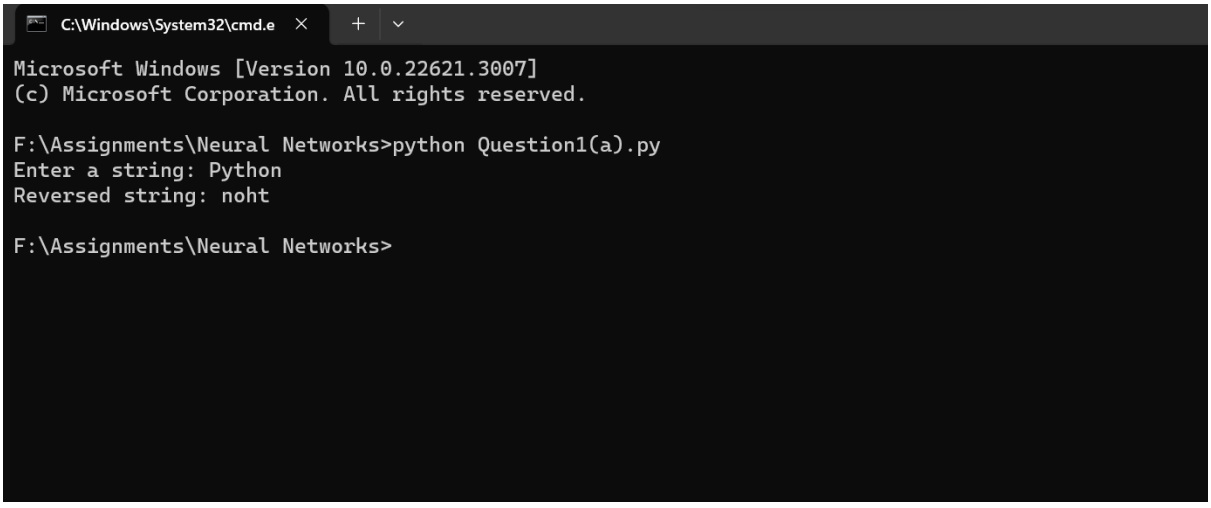
GitHub link: https://github.com/nagaphaneendra2001/Deep_Learning_Neural_Networks.git

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.

Source Code:

```
input_string = list(input("Enter a string: "))
if len(input_string) >= 2:
    del input_string[:2]
    reversed_string = ''.join(input_string[::-1])
    print("Reversed string:", reversed_string)
else:
    print("Enter the input string with minimum of three letters")
```

Output:



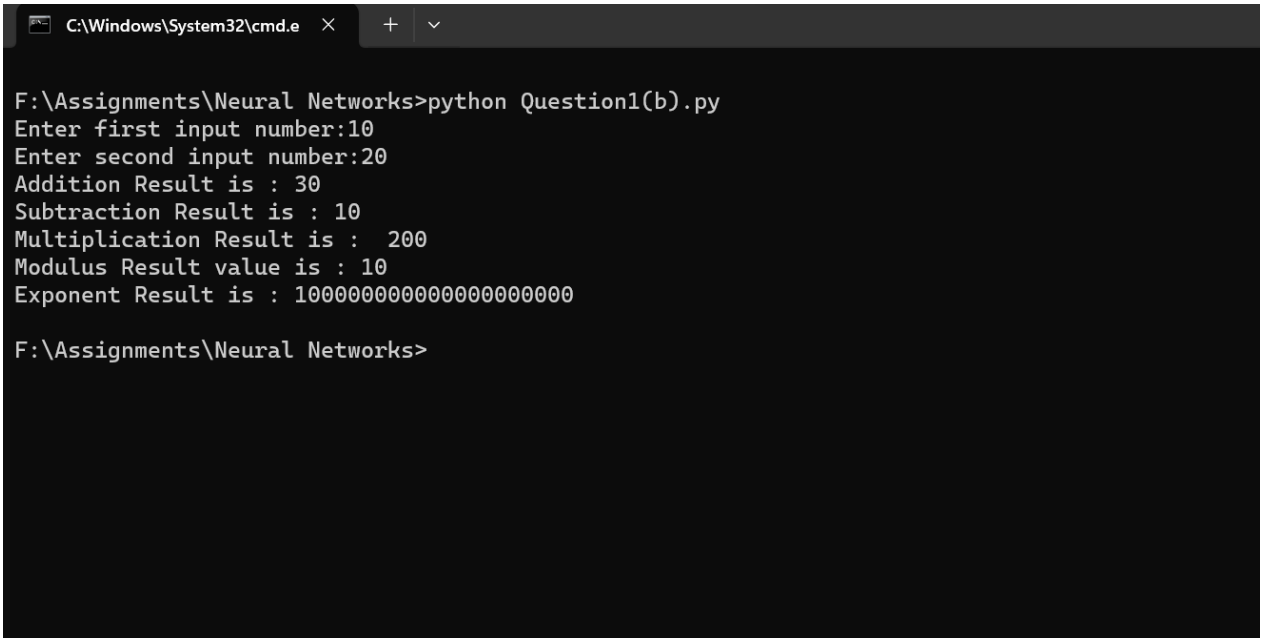
-Take two numbers from user and perform at least 4 arithmetic operations on them.

Source Code:

```
#Arthimatic Operations

num_1 = int(input('Enter first input number:'))
num_2 = int(input('Enter second input number:'))
# Addition of two numbers
print("Addition Result is :", num_1 + num_2)
#subtraction of two numbers
if (num_1 > num_2):
    print("Subtraction Result is :",num_1-num_2)
else:
   print("Subtraction Result is :", num_2 - num_1)
# multiplication of two numbers
print("Multiplication Result is : ", num_1 * num_2)
#Modulus of two numbers
print("Modulus Result value is :", num_1 % num_2)
#exponent of two numbers
print("Exponent Result is :", num_1 ** num_2)
```

Output:

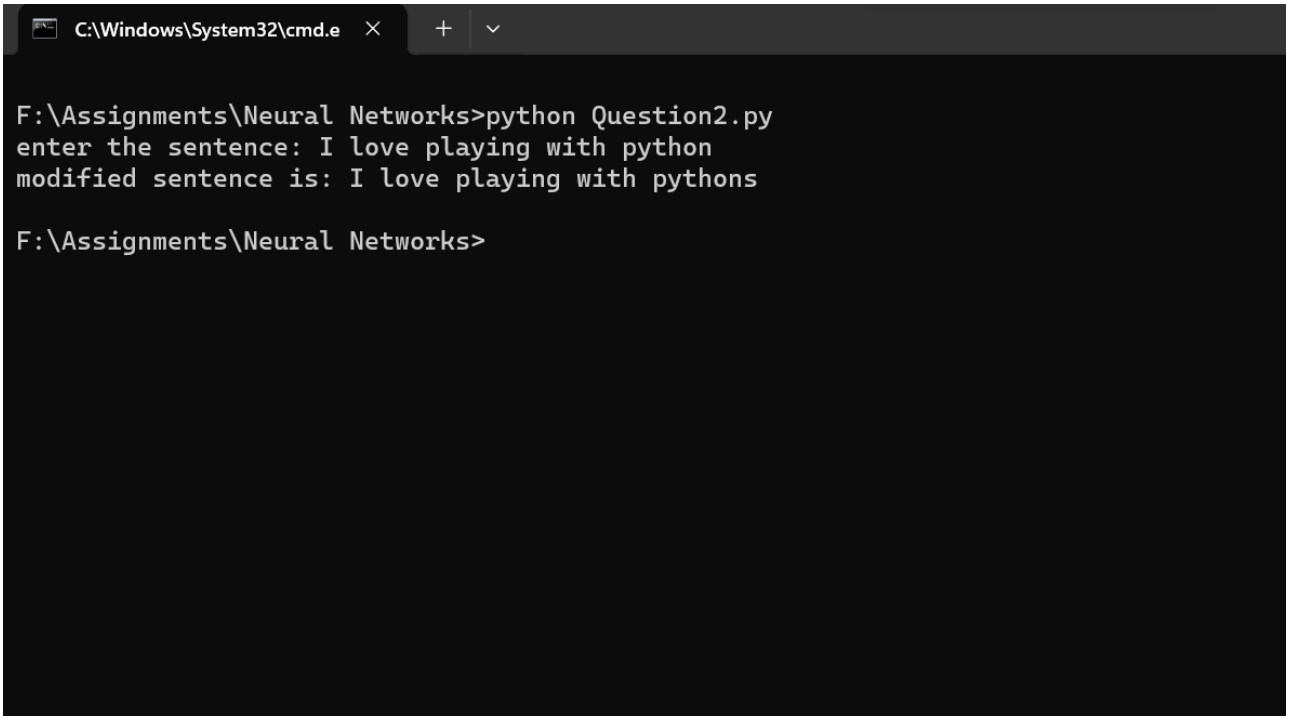


2. Write a program that accepts a sentence and replace each occurrence of ‘python’ with ‘pythons’.

Source Code:

```
input_value = input("enter the sentence")
result = input_value.replace("python","pythons")
print("modified sentence is:", result)
```

Output:



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.

Source Code:

```
#print grades based on user input
score = int(input("enter the grade score :"))
if (score > 90) & (score <=100):
  print("A grade")
elif (score > 80) & (score <= 90):
  print("B grade")
elif (score > 70) & (score <= 80):
  print("C grade")
elif (score > 60) & (score <= 70):
  print("D grade")
else:
  print("Fail")
```

Output: