Neural Networks & Deep learning

Project -1

Github: https://github.com/Deepikairrinki/NN-DL-P1

Question 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.

Program -1

```
#QUE1

input_string= list(input("Enter the word : "))
if len(input_string) >= 2:
    del input_string[:2]
resultant_string = input_string[::-1]
print("Sample output:")
print("".join(resultant_string))
```

Output :

```
= RESTART: C:/Users/irrin/OneDrive/Desktop/NN&DL _P1.py
Enter the word : python
Sample output:
noht
```

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

Program -1-1

```
#QUE 1-1

num1= int(input("enter 1st number \n"))
num2= int(input("enter 2st number \n"))
sum = num1 + num2
diff = num1 - num2
prod = num1 * num2
pow = num1 ** num2
print ("sum: ", sum)
print ("difference : ",diff)
print ("product : ",prod)
print ("num1 power num2 : ",pow)
```

Output:

```
enter 1st number
5
enter 2st number
3
sum:  8
difference :  2
product :  15
num1 power num2 :  125
enter a sentence
```

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

Program -2

```
# QUE 2

ipstring = str(input("enter a sentence\n"))
opstring = ipstring.replace("i love playing with python","i love playing with pythons")
print(opstring)
```

Output:

```
enter a sentence
i love playing with python
i love playing with 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 this class.

Program -3

```
#QUE3

classScore = int(input("enter class score\n"))
if((classScore >=90) and (classScore <100)):
    print("GRADE A")
elif((classScore >=80) and (classScore <89)) :
    print("GRADE B")
elif((classScore >=70) and (classScore <79)) :
    print("GRADE C")
elif((classScore >=60) and (classScore <69)) :
    print("GRADE D")
elif((classScore >=0) and (classScore <60)) :
    print("Grade F")
else:
    print("INVALID INPUT")
```

Output:

```
enter class score
93
GRADE A
```