Akhila Nomula

700759384

NEURAL NETWORK AND DEEP LEARNING ASSIGNMENT-1

GITHUB LINK:- https://github.com/aknomula/NeuralAssignment1.git

1) A) 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.

```
def reverse(str):                          # Define string
  return str[::-1]                         #To return the output

x=("python".replace('ho',''))              #To replace the character
print(reverse(x))                          #To reverse the string
```

Output:-

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

```
a=2                                        #number1
b=3                                        #number2
print("sum = ",a+b)                        #Addition of 2 numbers
print("diff = ",a-b)                       #Difference between 2 numbers
print("Divide = ", a/b)                    #Division
print("Percentage = ", a%b)                #Percentage
```

Output

```
a=2                                    #number1
b=3                                    #number2
print("sum = ",a+b)                    #Addition of 2 numbers
print("diff = ",a-b)                   #Difference between 2 numbers
print("Divide = ", a/b)                #Division
print("Percentage = ", a%b)            #Percentage
```

```
sum =  5
diff =  -1
Divide =  0.6666666666666666
Percentage =  2
```

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

Input: I love playing with python

```
str="I love playing with python"
print(str.replace('python','pythons'))      #To replace one string with another
```

Output:-

```
str="I love playing with python"
print(str.replace('python','pythons'))    #To replace one string with another
```

```
I love playing with pythons
```

+ Code + Text

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.

```
sub1=10
sub2=30
total=sub1+sub2
```

```
if(total>=90):
  print("Your grade is A")

elif(total>=70 and total<90):
  print("Your grade is B")

elif(total>=50 and total <70):
  print("Your grade is C")

else:
  print("Your grade is F")
```

Output:-

```
sub1=10
sub2=30
total=sub1+sub2

if(total>=90):
  print("Your grade is A")

elif(total>=70 and total<90):
  print("Your grade is B")

elif(total>=50 and total <70):
  print("Your grade is C")

else:
  print("Your grade is F")
```

```
Your grade is F
```