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 resultantstring and print it. Sample input: •python •Sample output: •ntyp – Take two numbers from user and perform at least 4 arithmetic operations on them.

input\_string = list(input("Enter the string 'Python': "))

if len(input\_string) >= 2:

del input\_string[:2]

resultant\_string = input\_string[::-1]

print("Sample output:")

print("".join(resultant\_string))

num1 = float(input("Enter the first number: "))

num2 = float(input("Enter the second number: "))

addition = num1 + num2

subtraction = num1 - num2

multiplication = num1 \* num2

division = num1 / num2

print("Arithmetic operations:")

print(f"{num1} + {num2} = {addition}")

print(f"{num1} - {num2} = {subtraction}")

print(f"{num1} \* {num2} = {multiplication}")

print(f"{num1} / {num2} = {division}")

A white background with black text

Description automatically generated

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

input\_sentence = input("Enter a sentence: ")

# Replace each occurrence of 'python' with 'pythons'

modified\_sentence = input\_sentence.replace('python', 'pythons')

# Print the modified sentence

print("Sample output:")

print(modified\_sentence)

A white background with black text

Description automatically generated

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

class\_score = float(input("Enter the class score: "))

# Determine the letter grade based on the grading scheme

if class\_score >= 90:

grade = 'A'

elif 80 <= class\_score < 90:

grade = 'B'

elif 70 <= class\_score < 80:

grade = 'C'

elif 60 <= class\_score < 70:

grade = 'D'

else:

grade = 'F'

# Print the letter grade

print("Letter Grade:", grade)

A close-up of a score

Description automatically generated

Video: <https://drive.google.com/file/d/1tRpVNDidsGkIDClOYixZSzlwSu4TObny/view?usp=sharing>

Source code: <http://localhost:8888/notebooks/Untitled.ipynb?kernel_name=python3>

Github link ;

https://github.com/ChellediSushmitha/Neural\_Assignment1