Spring 2024: CS5720

Neural Networks & Deep Learning - ICP-1

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Git Hub Link: https://github.com/Pavan7947/assignment1

Video Recording Link: https://github.com/Pavan7947/assignment1

1. Write a Python program for the following:

– Input the string "Python" as a list of characters from the console, delete at least 2 characters, reverse the
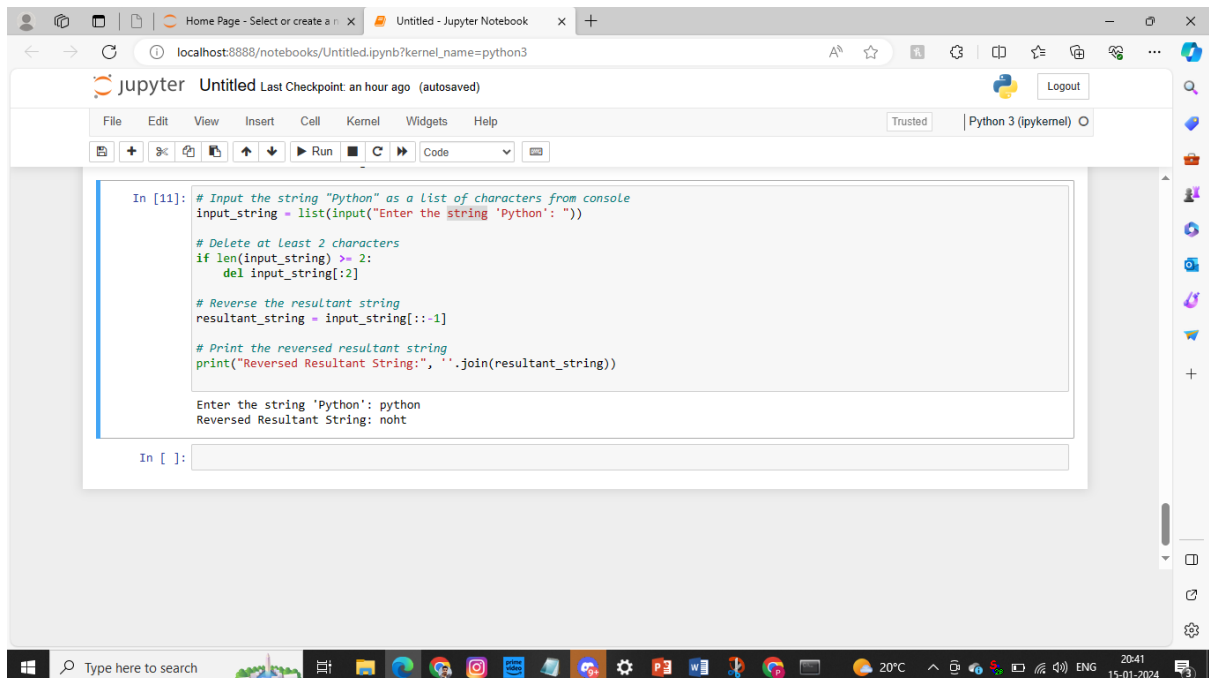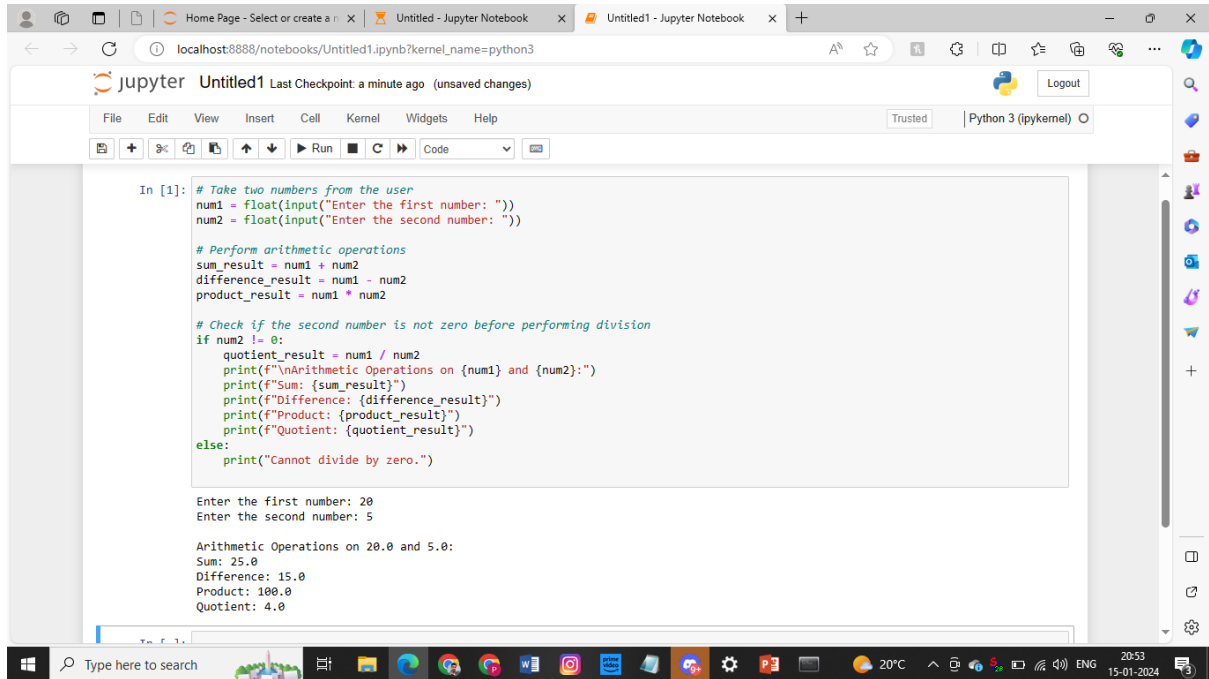
resultant string and print it.

Sample input:

•python

•Sample output:

•ntyp

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

```python
# Take two numbers from the user
num1 = float(input("Enter the first number: "))
num2 = float(input("Enter the second number: "))

# Perform arithmetic operations
sum_result = num1 + num2
difference_result = num1 - num2
product_result = num1 * num2

# Check if the second number is not zero before performing division
if num2 != 0:
    quotient_result = num1 / num2
    print(f"\nArithmetic Operations on {num1} and {num2}:")
    print(f"Sum: {sum_result}")
    print(f"Difference: {difference_result}")
    print(f"Product: {product_result}")
    print(f"Quotient: {quotient_result}")
else:
    print("Cannot divide by zero.")
```

```
Enter the first number: 20
Enter the second number: 5

Arithmetic Operations on 20.0 and 5.0:
Sum: 25.0
Difference: 15.0
Product: 100.0
Quotient: 4.0
```
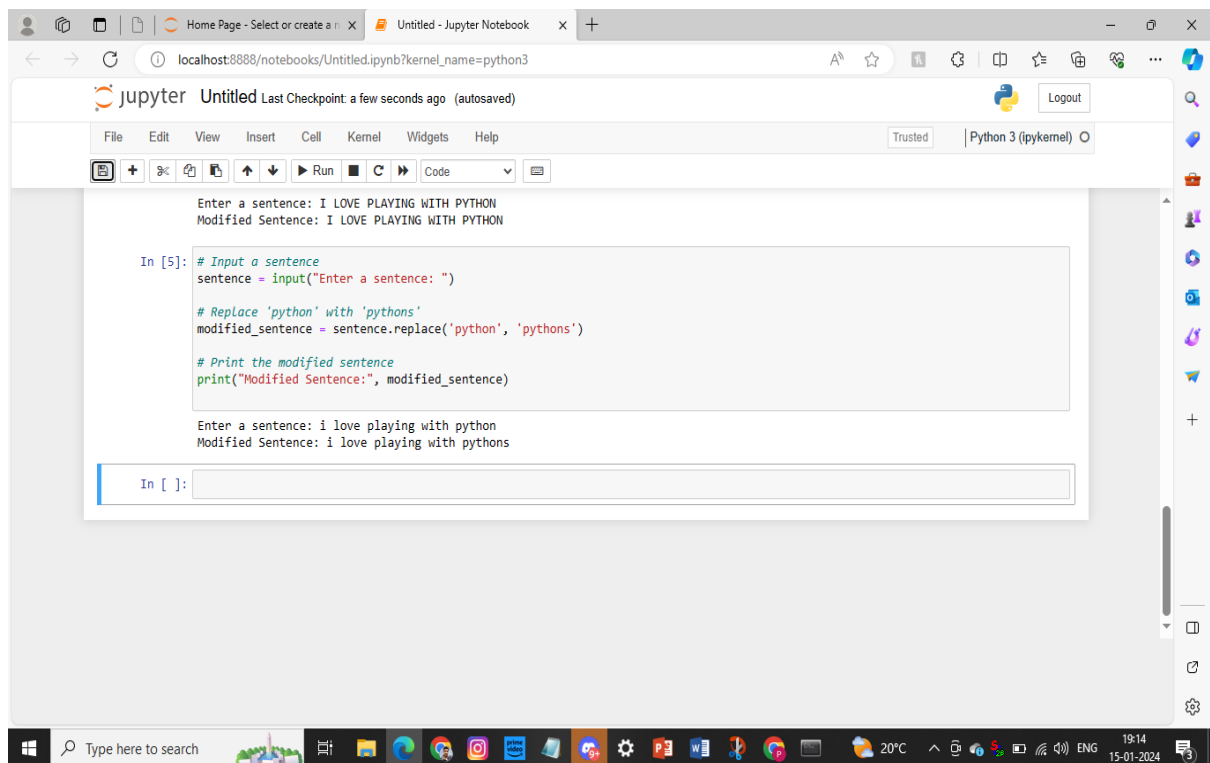
2. Write a program that accepts a sentence and replace each occurrence of 'python' with 'pythons'.
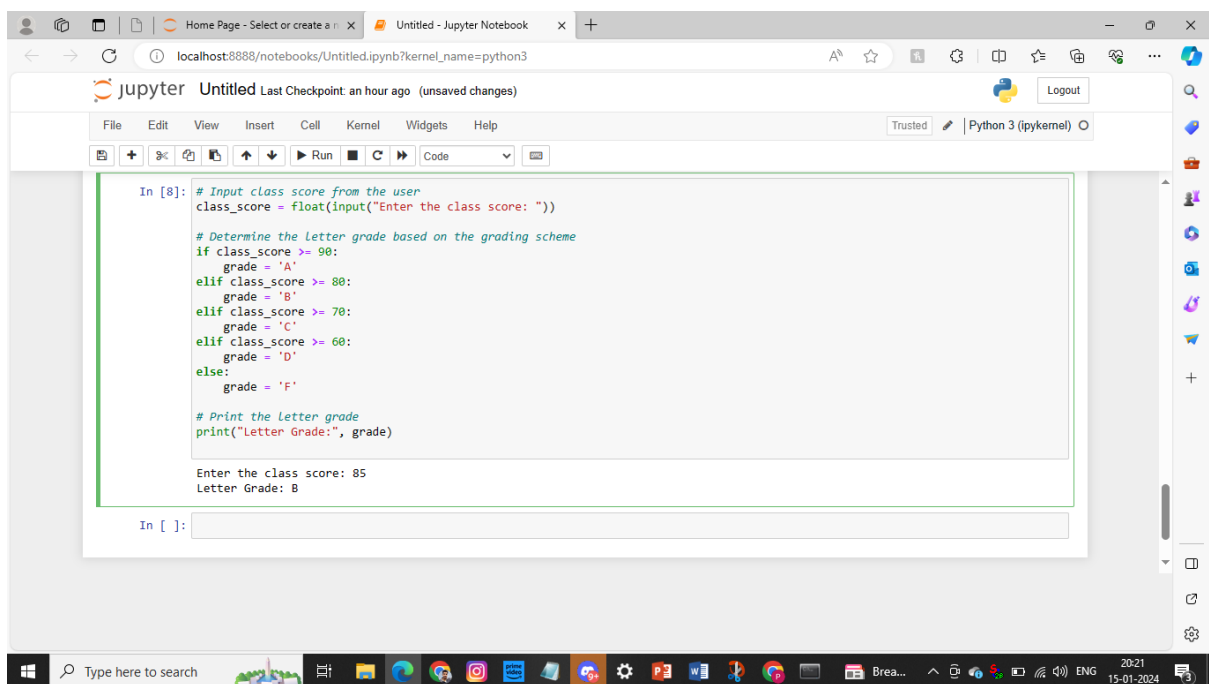
•Sample input:

•I love playing with python

•Sample output:

•I love playing with pythons

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.