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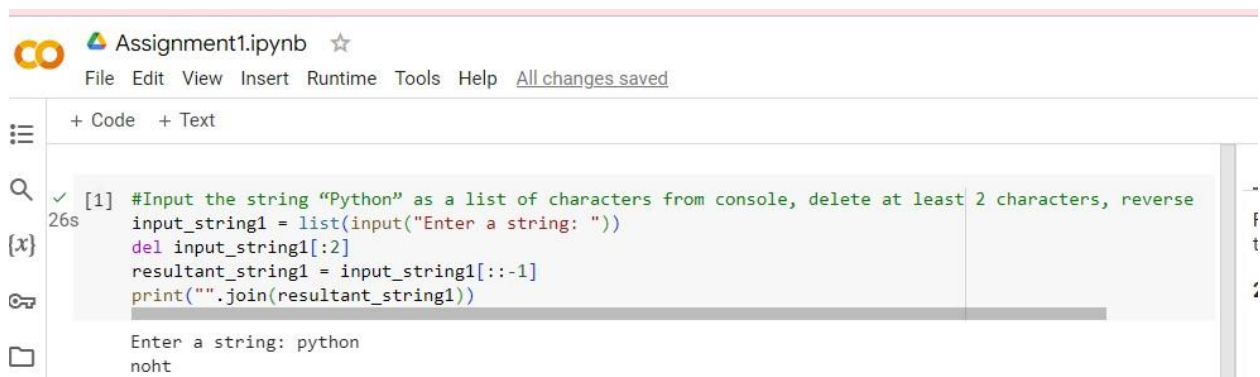
Student ID: 700666204

Git: [Assignment1/Assignment1.ipynb at main · dxm62040ucm/Assignment1 (github.com)](github.com)

Video: [Assignment1/Assignment1_Video.webm at main · dxm62040ucm/Assignment1 (github.com)](github.com)

1)

a)

Slicing the given string by deleting 2 characters. Reading the complete string after deleting 2 characters.

Finally Print the statement using print statement.

b)

```
#Take two numbers from user and perform at least 4 arithmetic operations on them.
num1 = float(input("Enter the first number: "))
num2 = float(input("Enter the second number: "))


addition_result = num1 + num2
subtraction_result = num1 - num2
multiplication_result = num1 * num2


if num2 != 0:
    division_result = num1 / num2
else:
    division_result = "Cannot divide by zero"

print(f"Addition: {addition_result}")
print(f"Subtraction: {subtraction_result}")
print(f"Multiplication: {multiplication_result}")
print(f"Division: {division_result}")
```

```
Enter the first number: 11.33
Enter the second number: 2
Addition: 13.33
Subtraction: 9.33
Multiplication: 22.66
Division: 5.665
```

We are reading the two input floating numbers using input method.

Perform the arithmetic operations using "+,-,*".

Print the arithmetic operations outputs using print

statement.

 2)

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

sentence1 = input("Enter a sentence: ")

modified_sentence = sentence1.replace('python', 'pythons')


print(modified_sentence)
```
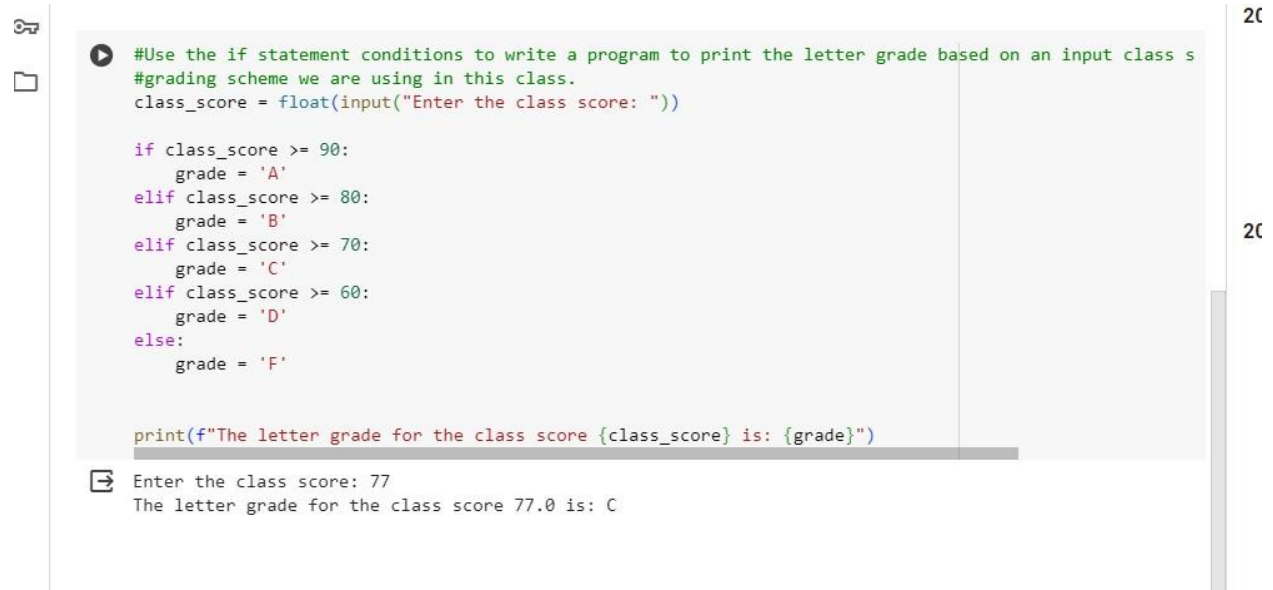
```
Enter a sentence: I love playing with python
I love playing with pythons
```

Read the given statement using input.

Replace method is used for replaced 'python' with 'pythons'

Print the changed output.

3)

```python
#Use the if statement conditions to write a program to print the letter grade based on an input class s
#grading scheme we are using in this class.
class_score = float(input("Enter the class score: "))

if class_score >= 90:
    grade = 'A'
elif class_score >= 80:
    grade = 'B'
elif class_score >= 70:
    grade = 'C'
elif class_score >= 60:
    grade = 'D'
else:
    grade = 'F'


print(f"The letter grade for the class score {class_score} is: {grade}")
```

```
Enter the class score: 77
The letter grade for the class score 77.0 is: C
```

Read the input score using input method.

Check the if else condition and assign the corresponding grade.

Finally print the grade.