

# ASSINGNMENT-1

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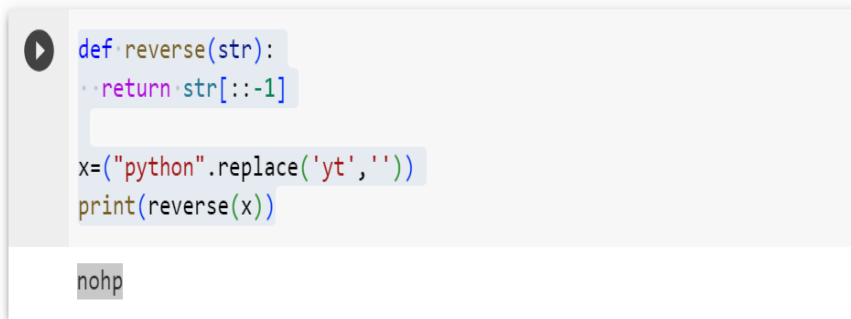
**GITHUB LINK:** - <https://github.com/bhargavidandu11/Assignment1.git>

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.

```
def reverse(str):  
    return str[::-1]  
  
x=("python".replace('yt',''))  
print(reverse(x))
```

Output:-



```
def reverse(str):  
    return str[::-1]  
  
x=("python".replace('yt',''))  
print(reverse(x))
```

nohp

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

```
num1=10  
num2=5  
print("sum = ", num1+num2)  
print("diff = ", num1-num2)  
print("Divide = ", num1/num2)  
print("Percentage = ", num1%num2)
```

Output:-

```

num1=10
num2=5
print("sum = ", num1+num2)
print("diff = ", num1-num2)
print("Divide = ", num1/num2)
print("Percentage = ", num1%num2)

```

```

sum = 15
diff = 5
Divide = 2.0
Percentage = 0

```

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

**Input:-** I love playing with python

```

a="I love playing with python"
print(a.replace('python', 'pythons'))

```

**Output:-**

```

a="I love playing with python"
print(a.replace('python', 'pythons'))

```

```

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.

```

s1=10
s2=35
total=s1+s2

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:-



```
s1=10
s2=35
total=s1+s2

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

The image shows a code editor with a Python script. The script calculates the sum of s1 (10) and s2 (35) to get a total of 45. It then uses a series of if-elif-else statements to determine a grade based on the total score. Since 45 is less than 50, the 'else' branch is executed, resulting in the output 'Your grade is F'.