

**MANAV RACHNA UNIVERSITY, FARIDABAD**

**Department of Computer & Technology**

**Course: B.Tech (CSE) Semester:IV Subject: Programming for Problem Solving using Python(CSW208B) Session: 2020-21**

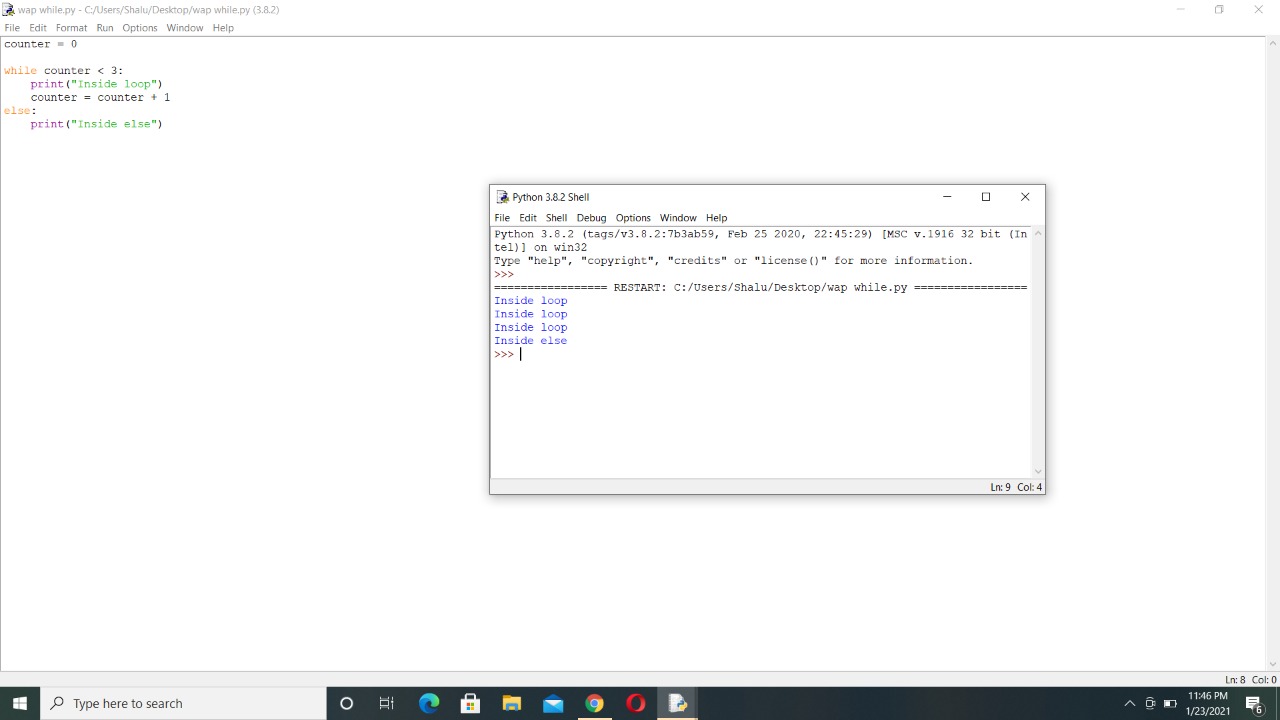
***Lab-3:*** *Strings and list- hands-on practice*

***Learning Outcome*:** *Student will be able to implement String Operations.*

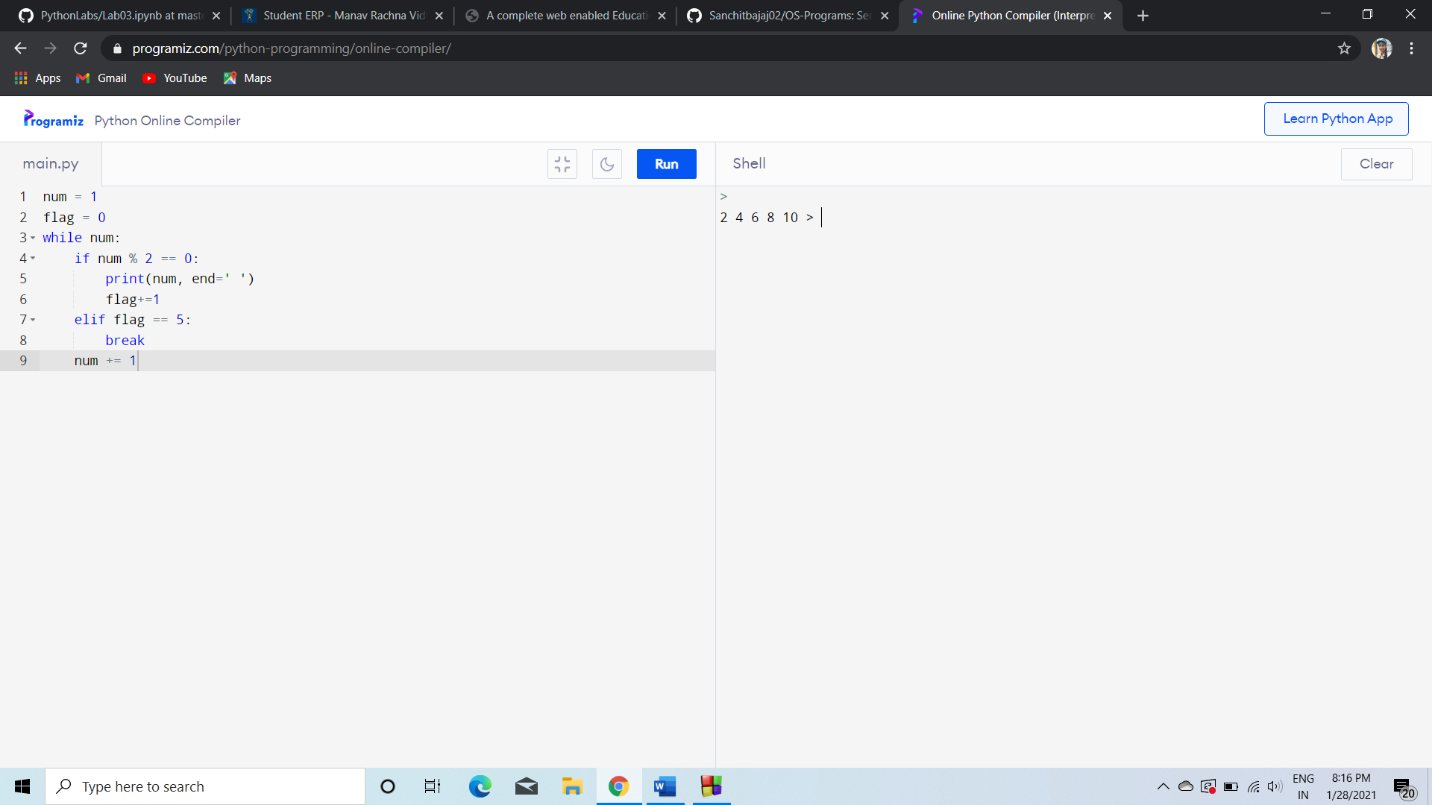
***Blooms Taxonomy Level****: BT1, BT2*, *BT3*

**ADITI SINGH, 1065**

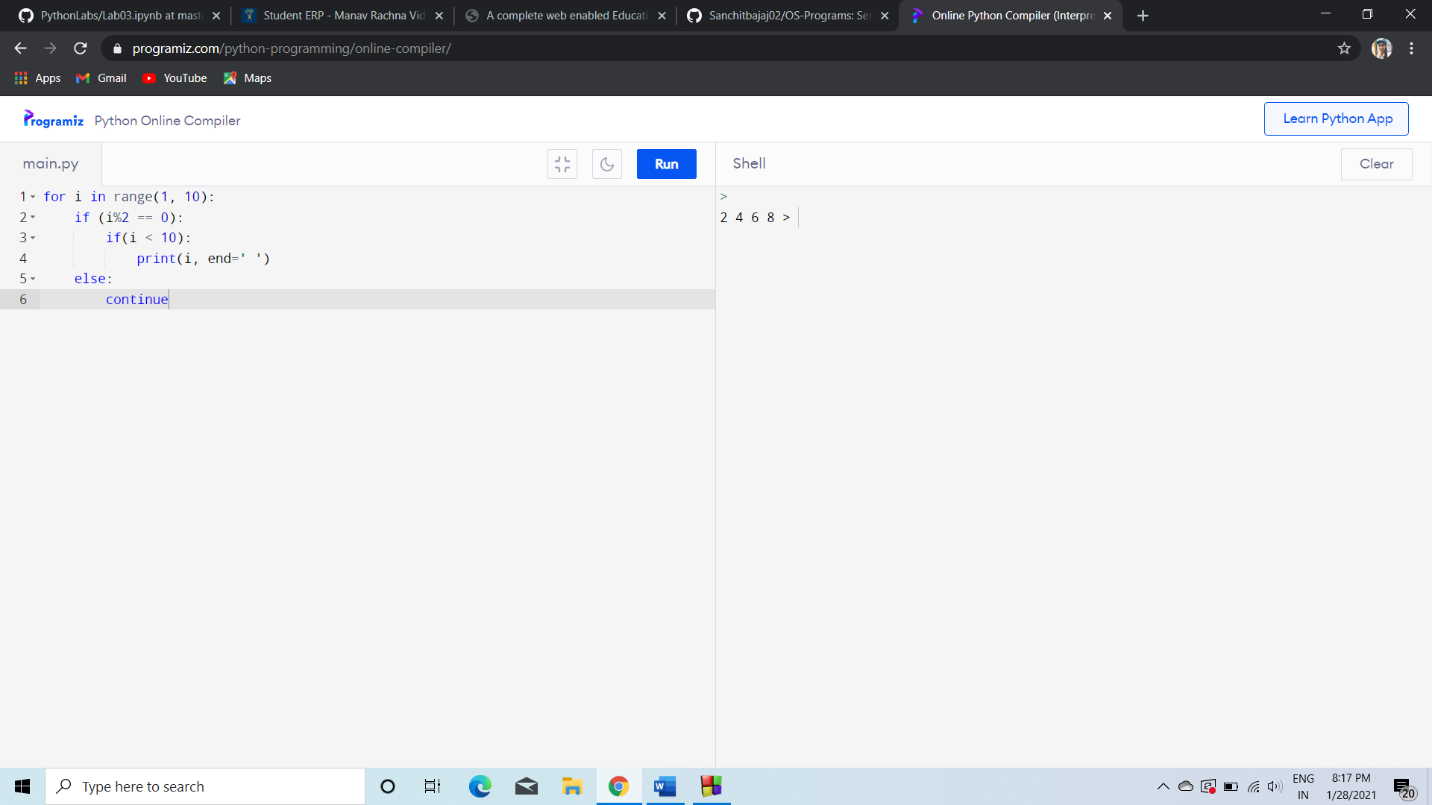
1. WAP to demonstrate while loop with else statement.



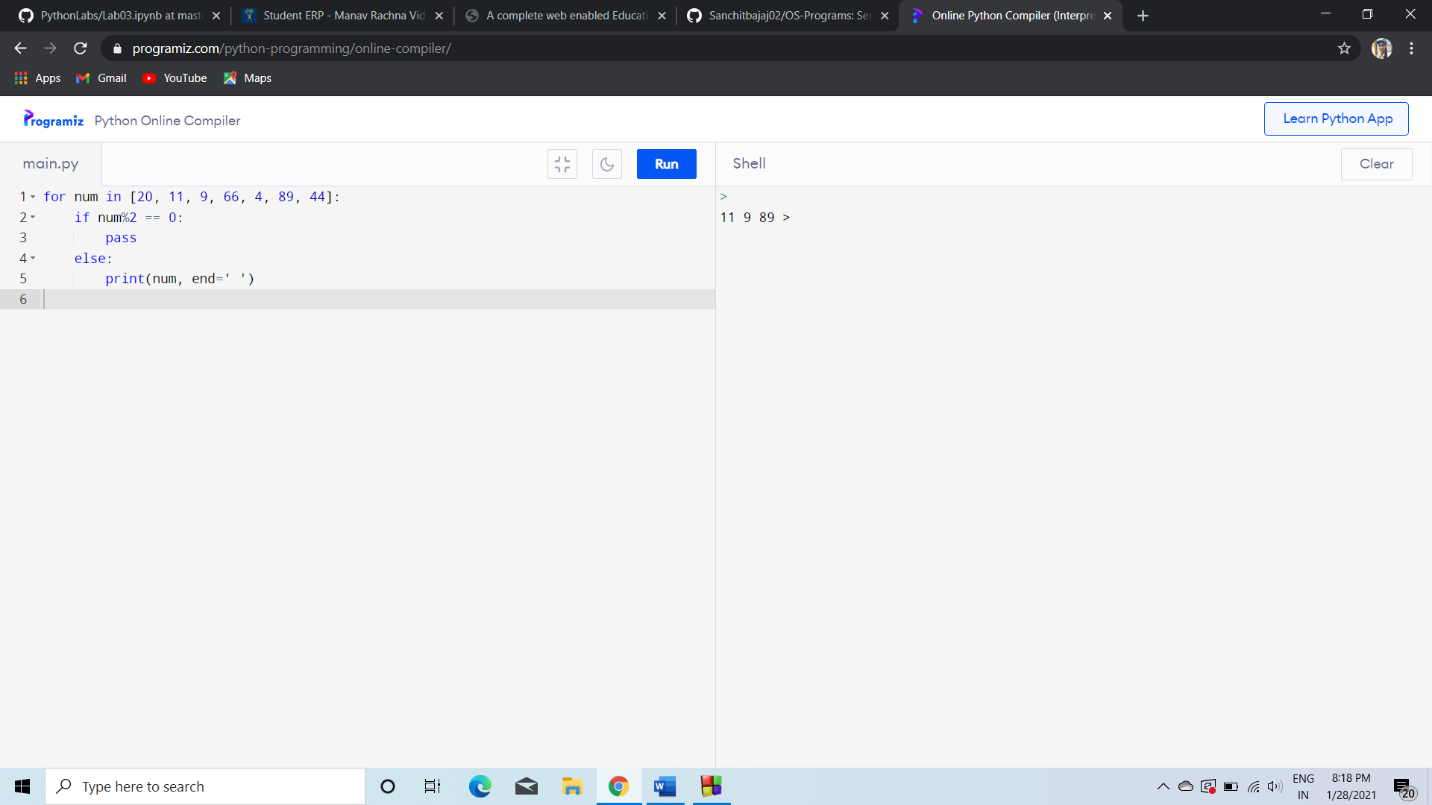
1. Print 1st 5 even numbers (use break statement).



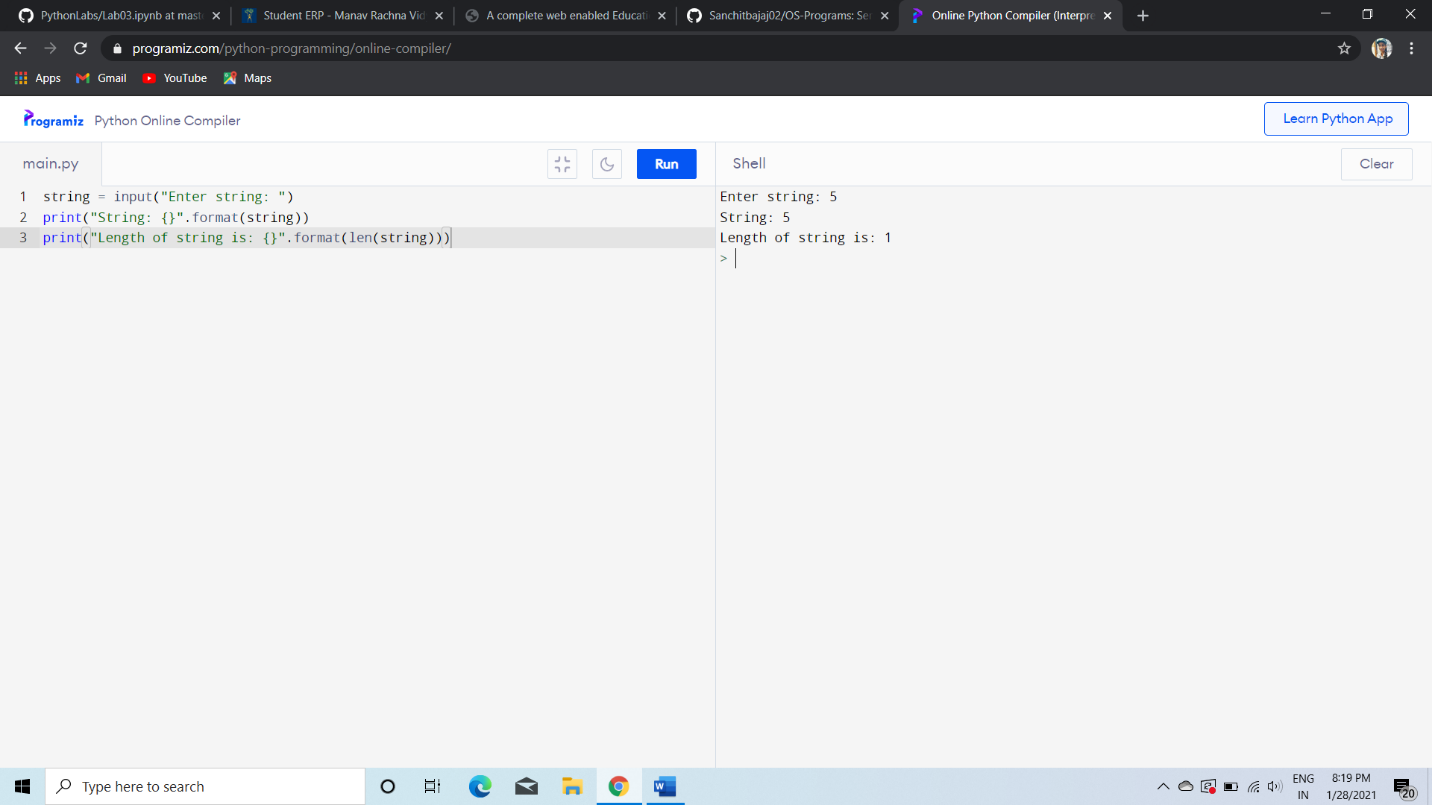
1. Print 1st 4 even numbers (use continue statement).



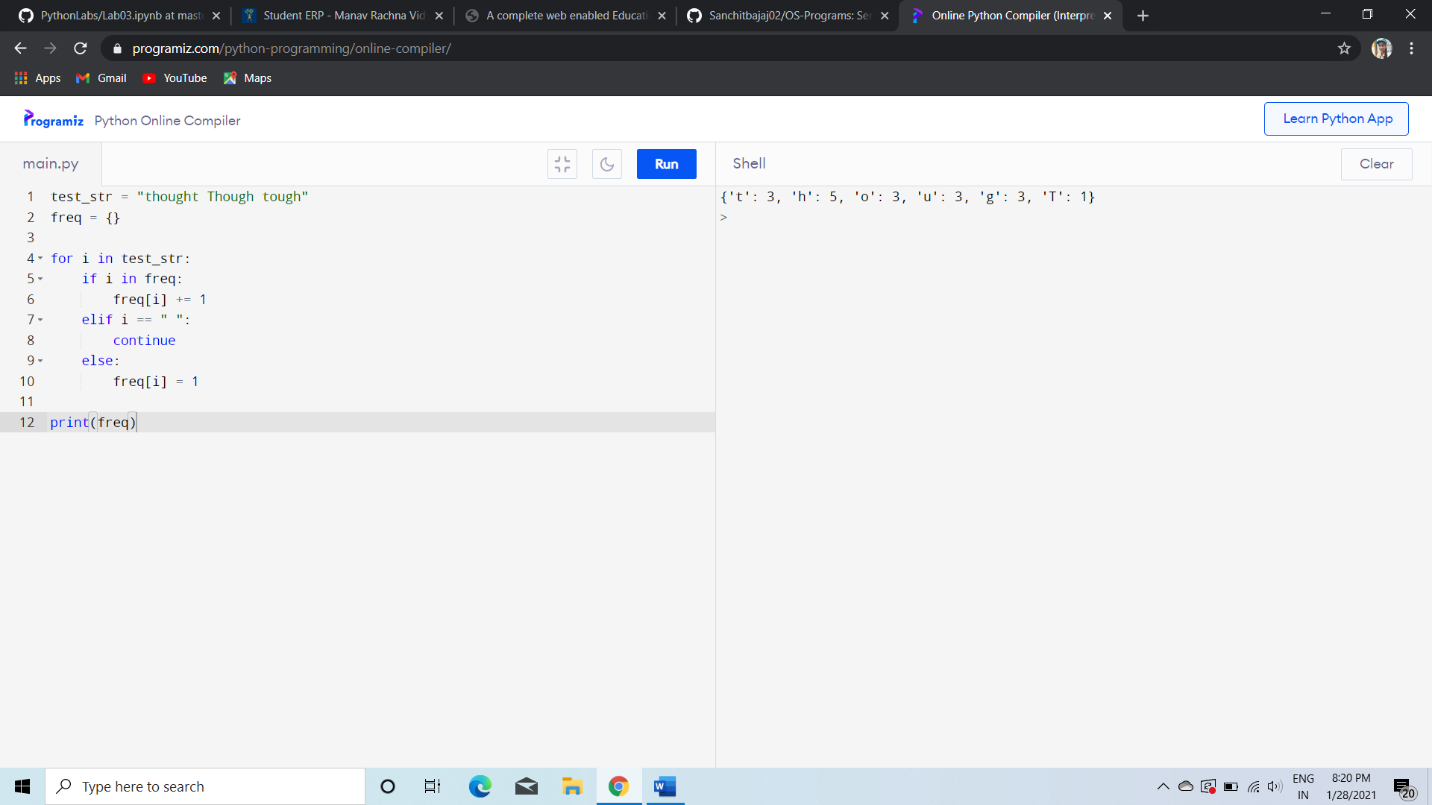
1. WAP to demonstrate Pass statements.



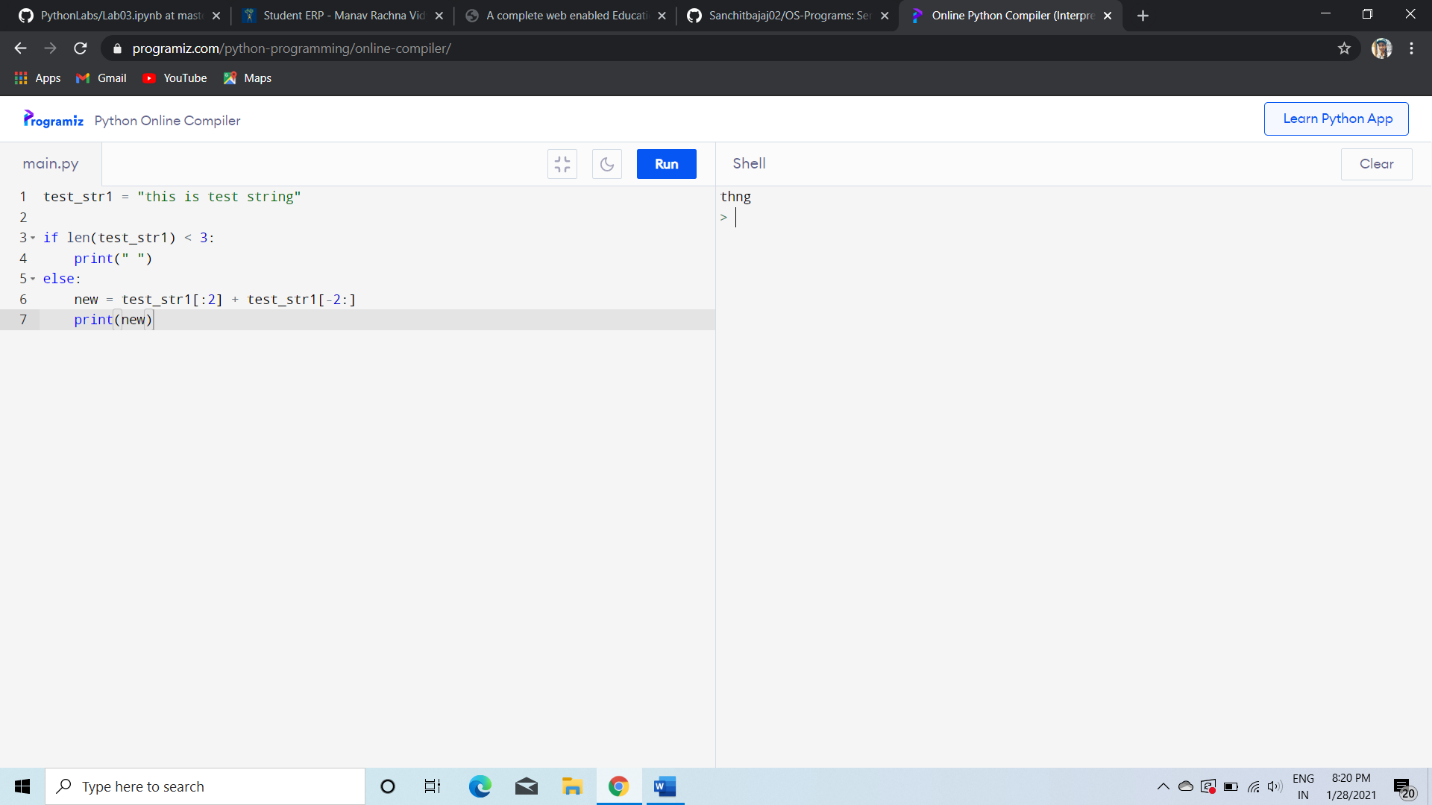
1. Write a Python program to calculate the length of a string.



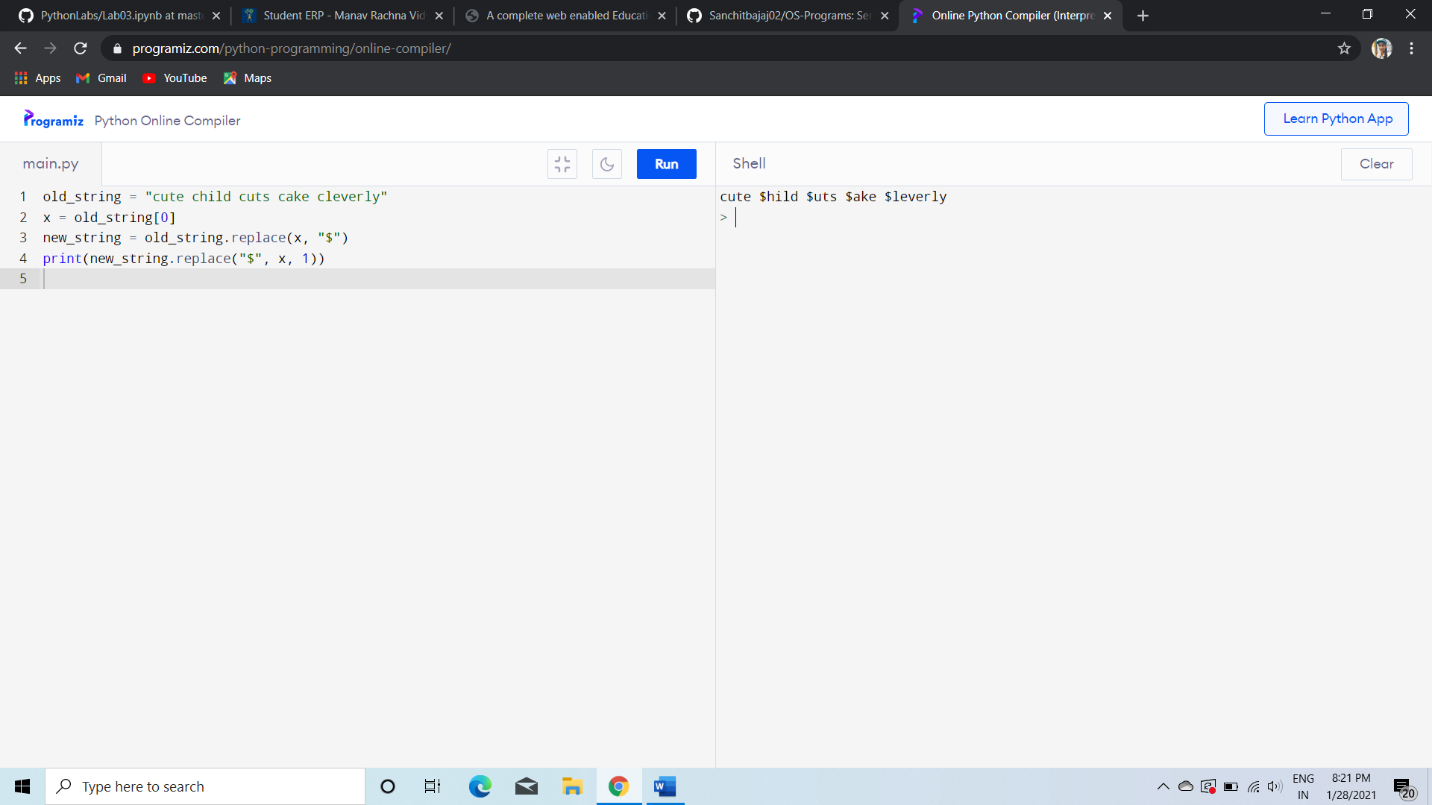
1. Write a Python program to count the number of characters (character frequency) in a string



1. Write a Python program to get a string made of the first 2 and the last 2 chars from a given a string. If the string length is less than 2, return instead of the empty string.



1. Write a Python program to get a string from a given string where all occurrences of its first char have been changed to '$', except the first char itself



1. Write a Python program to get a single string from two given strings, separated by a space and swap the first two characters of each string.

str1 = input()

str2 = input()

a = str1[0]

b = str2[0]

new\_str1 = b + str1[1:]

new\_str2 = a + str2[1:]

print("Original string 1: " + str1)

print("Original string 2: " + str2)

print("New string: " + new\_str1 + " " + new\_str2)

**OUTPUT:** Original string 1: hello

Original string 2: everyone

New string: eello hveryone

1. Write a Python program to add 'ing' at the end of a given string (length should be at least 3). If the given string already ends with 'ing' then add 'ly' instead. If the string length of the given string is less than 3, leave it unchanged

def string\_update(string):

if len(string) < 3:

return string

elif string.endswith("ing"):

return string.replace("ing", "ly")

string = input()

print("Old string: {} \nNew string: {}".format(string, string\_update(string)))

**OUTPUT:**   
Old string: i am going for teaching

New string: i am goly for teachly