2. Display future leap years from current year to a final year entered by user.

s=int(input("enter start year"))

e=int(input("enter end year"))

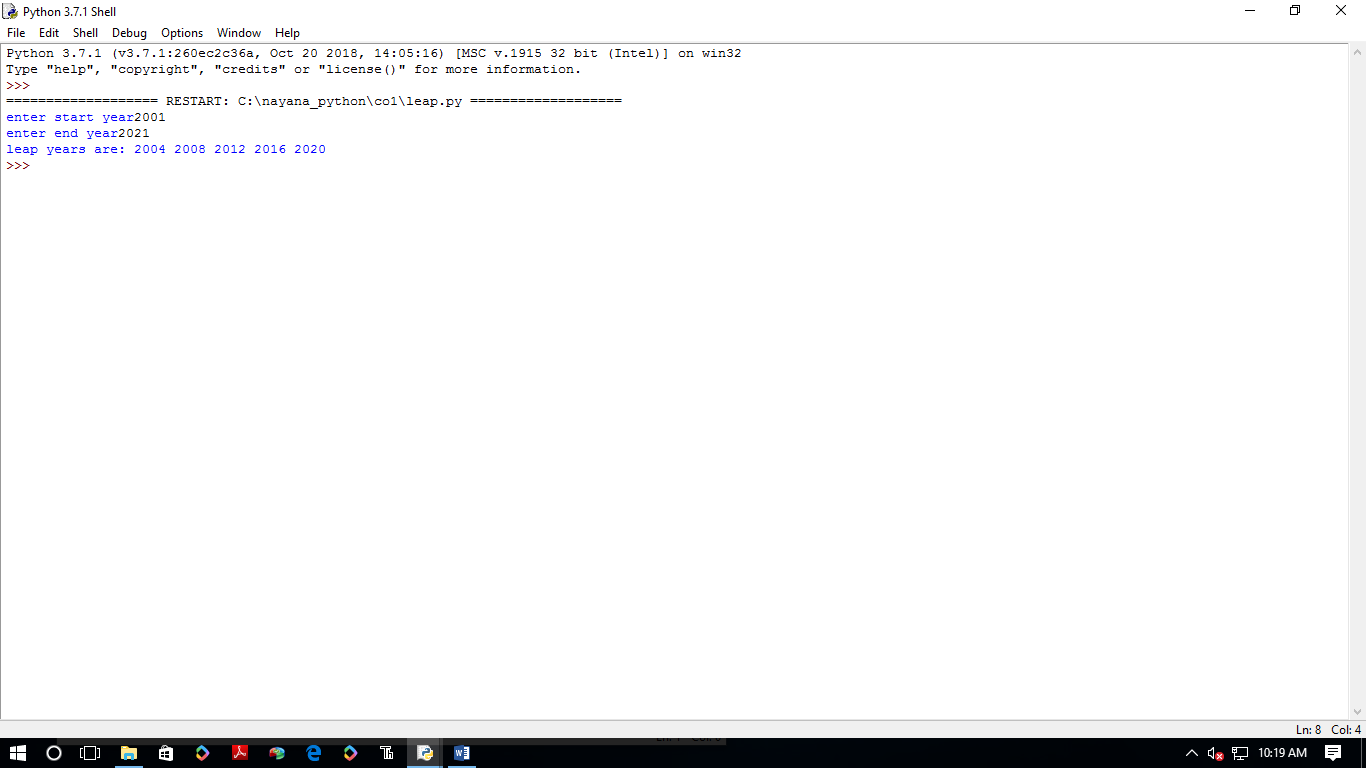
if(s<e):

print("leap years are:",end=" ")

for i in range(s,e):

if i%4==0 and i%100!=0:

print(i,end=" ")



3.**List comprehensions:**

list=[2,-6,4,-8,5,-7,1,2]

n=[num for num in list if num>0]

print(n)

n=int(input(" enter the limit"))

zlist=[i\*\*2 for i in range(1,n+1)]

print("square of no=",zlist)

n=str(input("enter the string"))

for i in n:

if(i in 'a,e,i,o,u'):

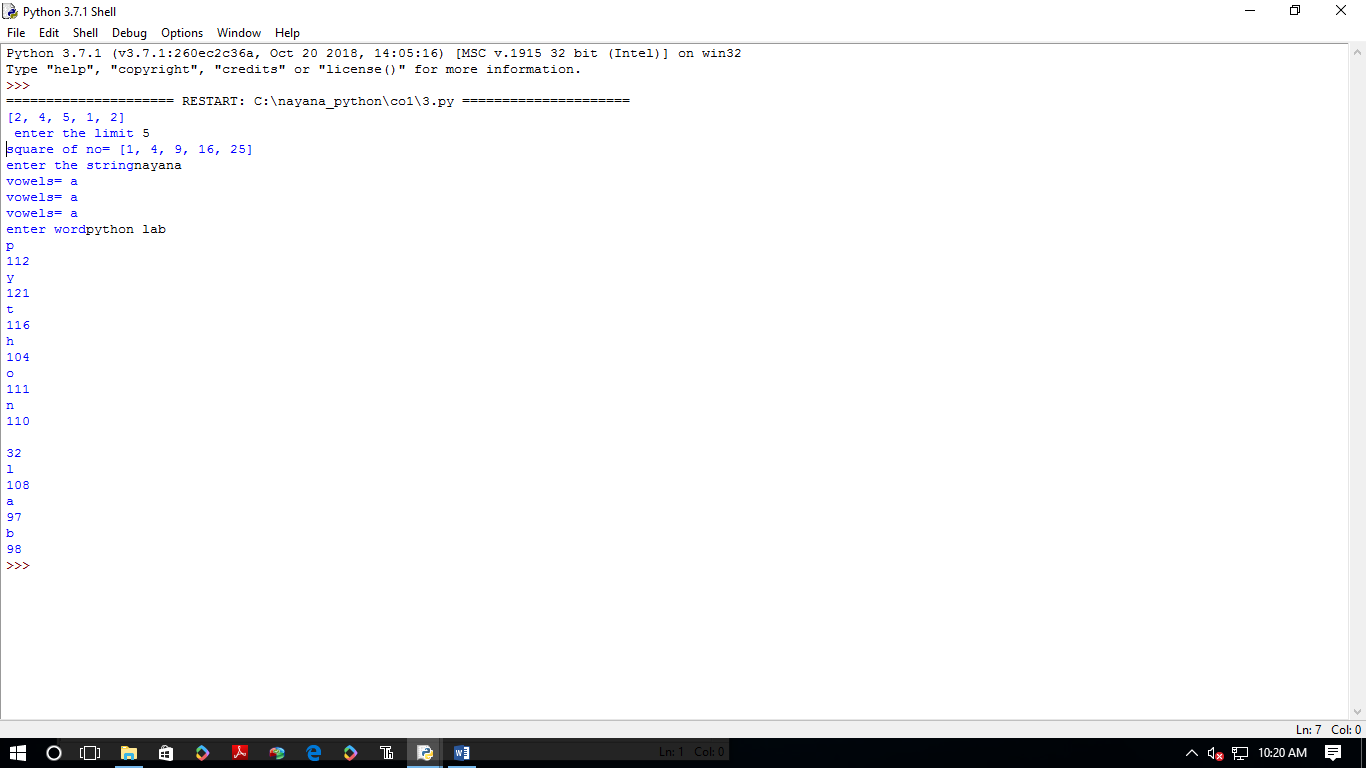
print("vowels=",i)

y=input("enter word")

for i in y:

print(i)

print(ord(i))

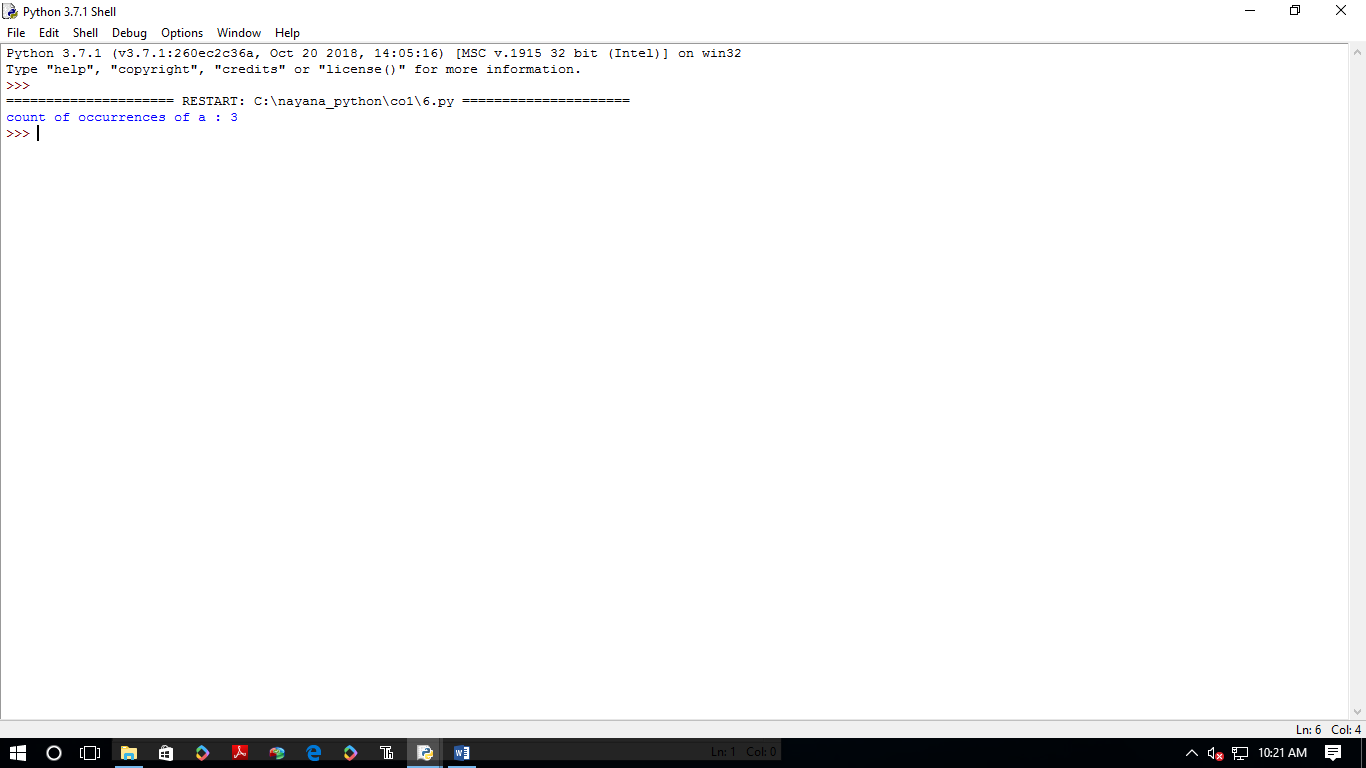


**6. Store a list of first names. Count the occurrences of ‘a’ within the list**

a\_list = ["a", "b", "a","c","d","a"]

occ = a\_list.count("a")

print("count of occurrences of a :",occ)



8.Get a string from an input string where all occurrences of first character replaced with ‘$’, except first character. [eg: onion -> oni$n]

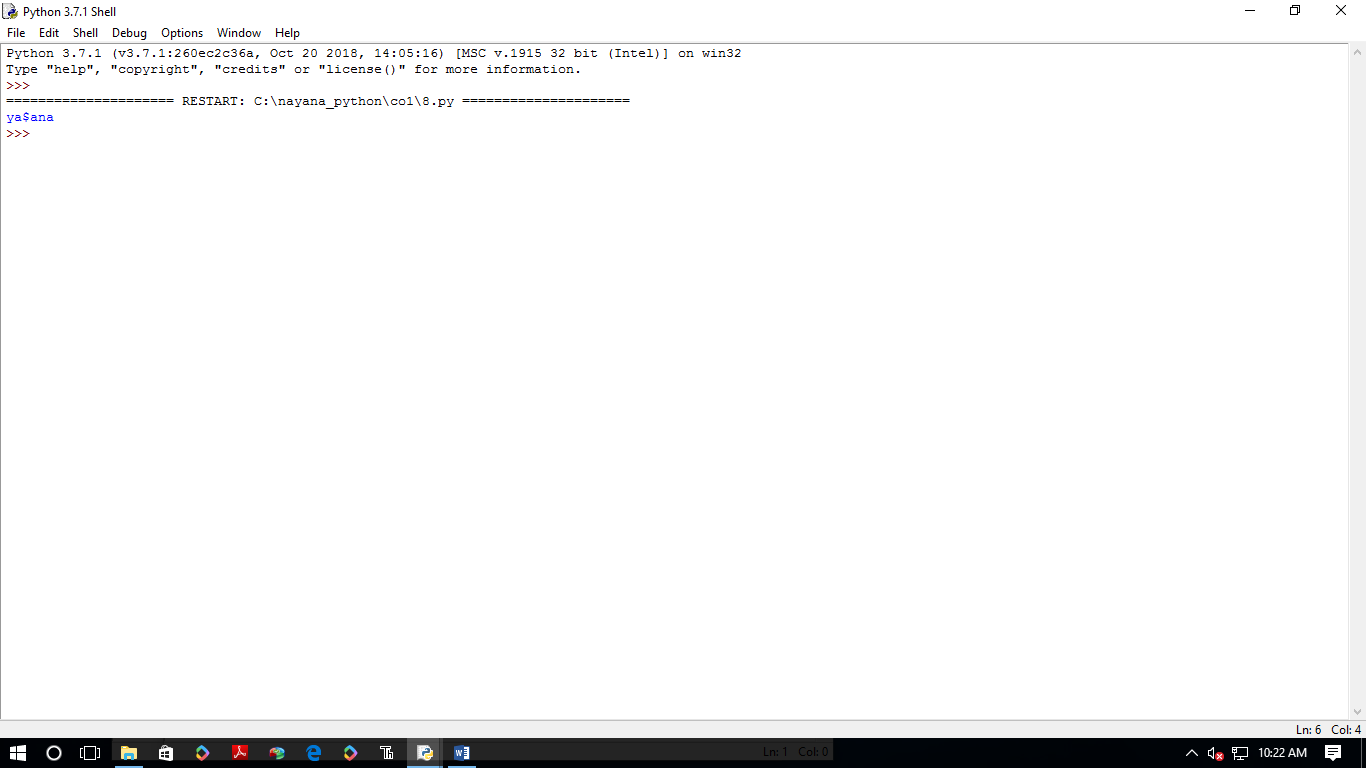
str1="nayana"

char = str1[2]

str1 = str1.replace(char, '$')

str1 = char + str1[1:]

print(str1)

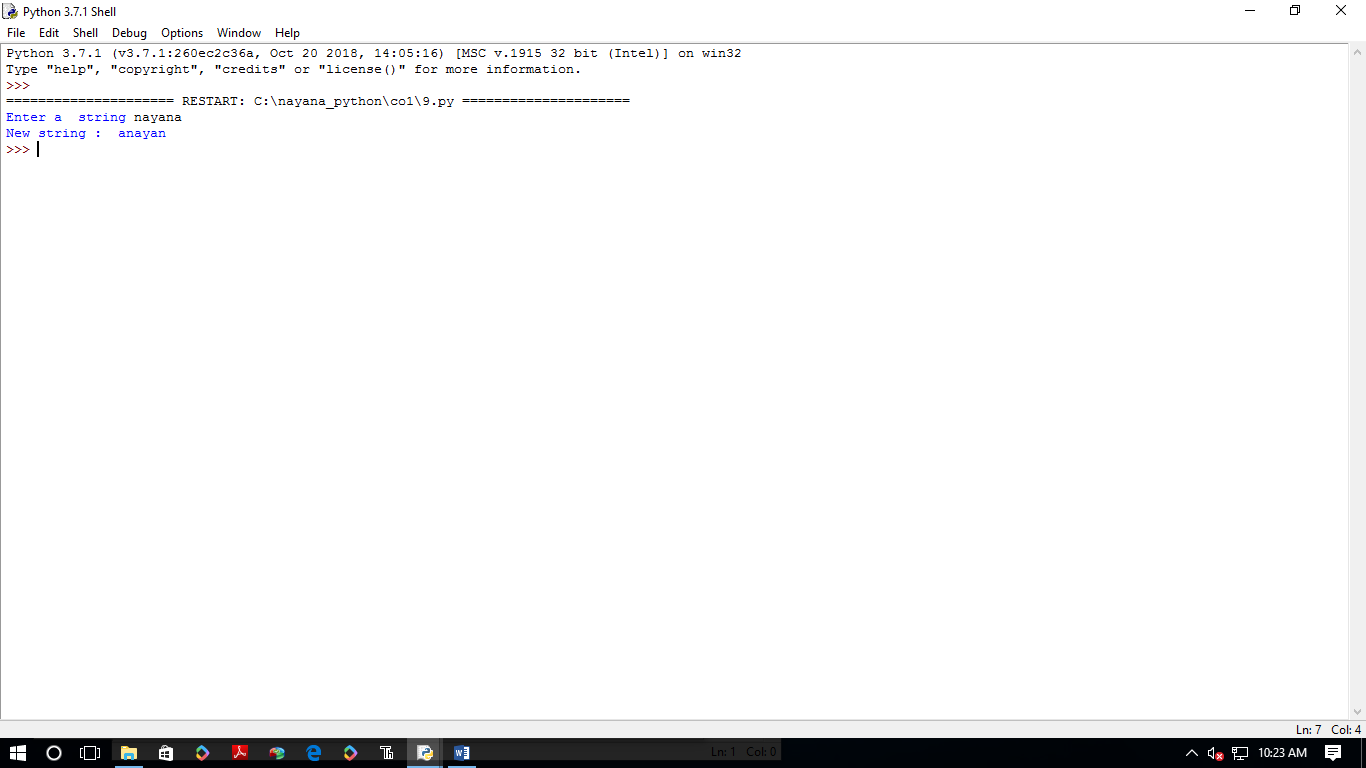


**9.Create a string from given string where first and last characters exchanged. [eg: python -> nythop]**

str = input("Enter a string")

new\_str = str[-1:] +str[1:-1] + str[:1]

print("New string : ",new\_str)



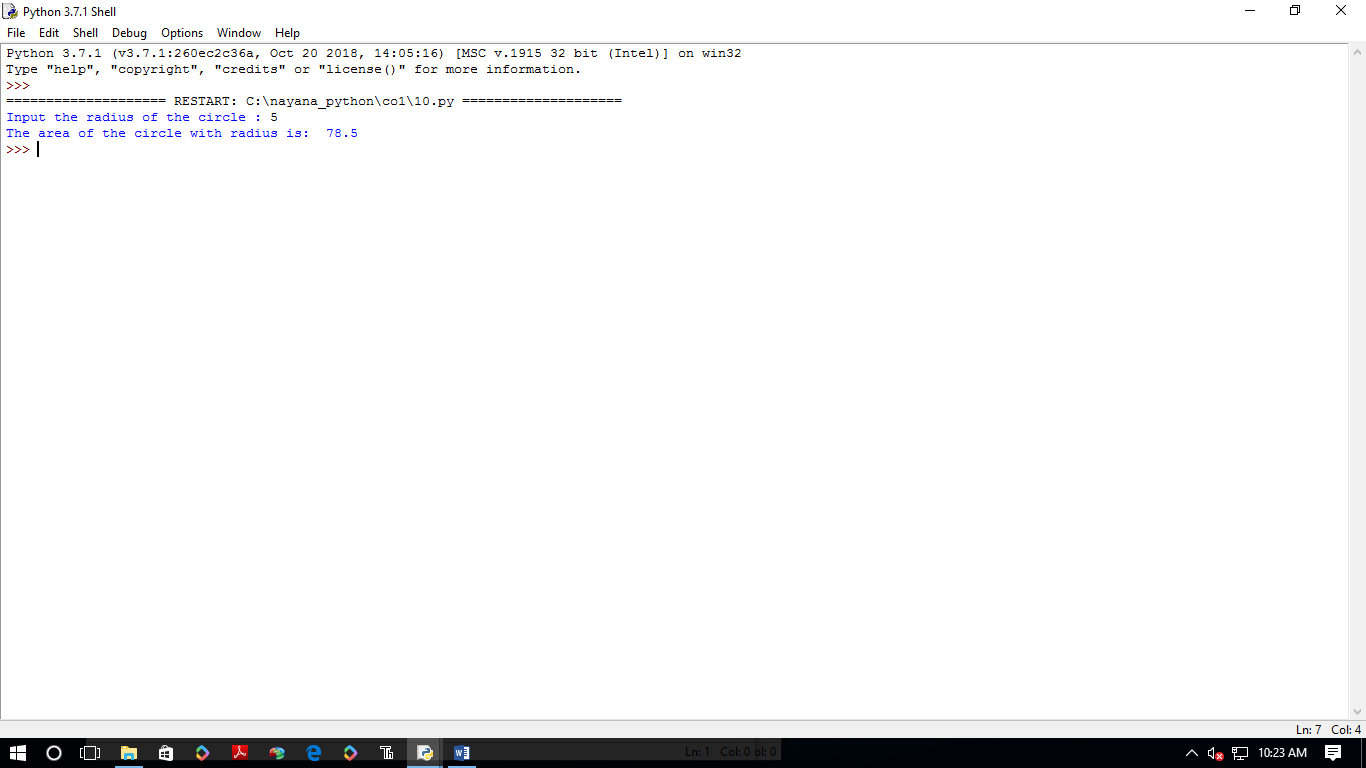
**10.Accept the radius from user and find area of circle.**

pi=3.14

r = float(input ("Input the radius of the circle : "))

result=3.14 \*r\*\*2

print ("The area of the circle with radius is: ", result)



11. Find biggest of 3 numbers entered

x = int(input("Enter 1st number: "))

y = int(input("Enter 2nd number: "))

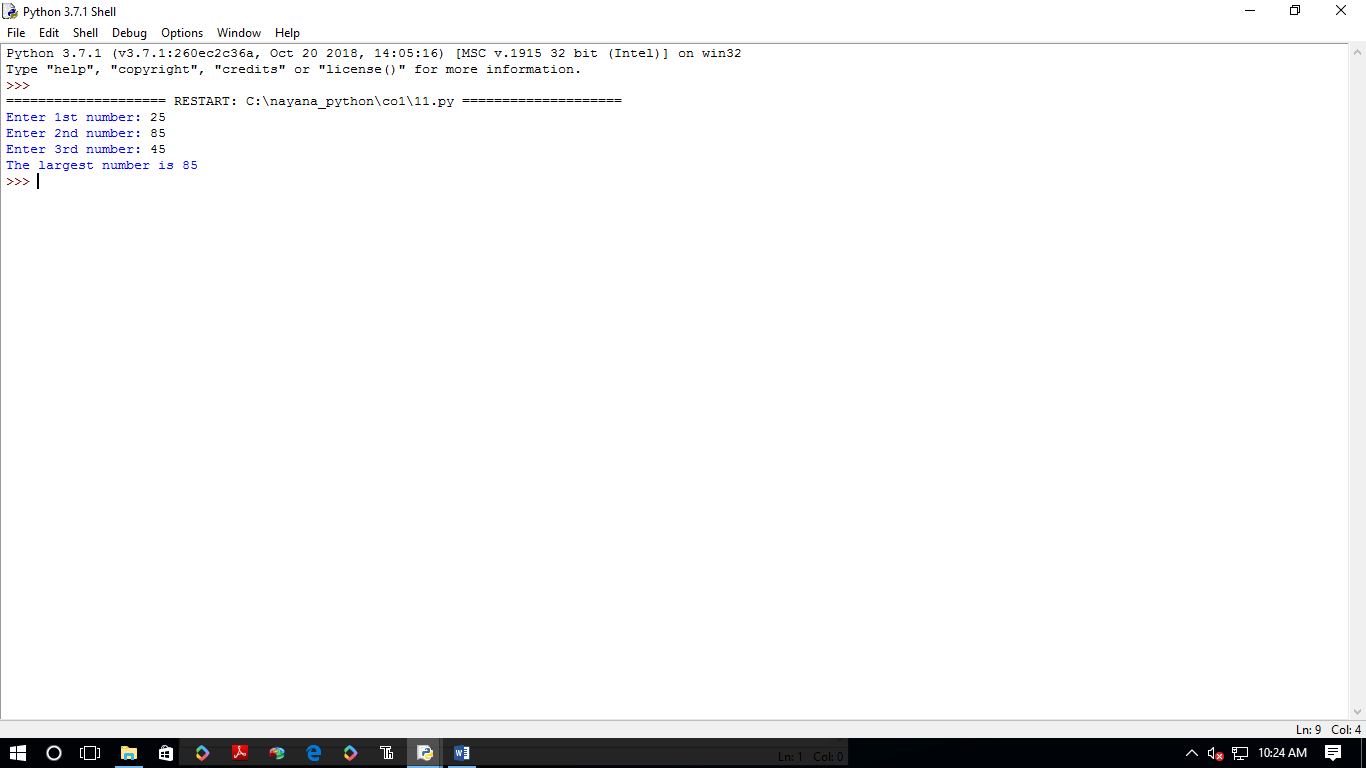
z = int(input("Enter 3rd number: "))

if (x > y) and (x > z):largest = x

elif (y > x) and (y > z): largest = y

else:largest = z

print("The largest number is",largest)

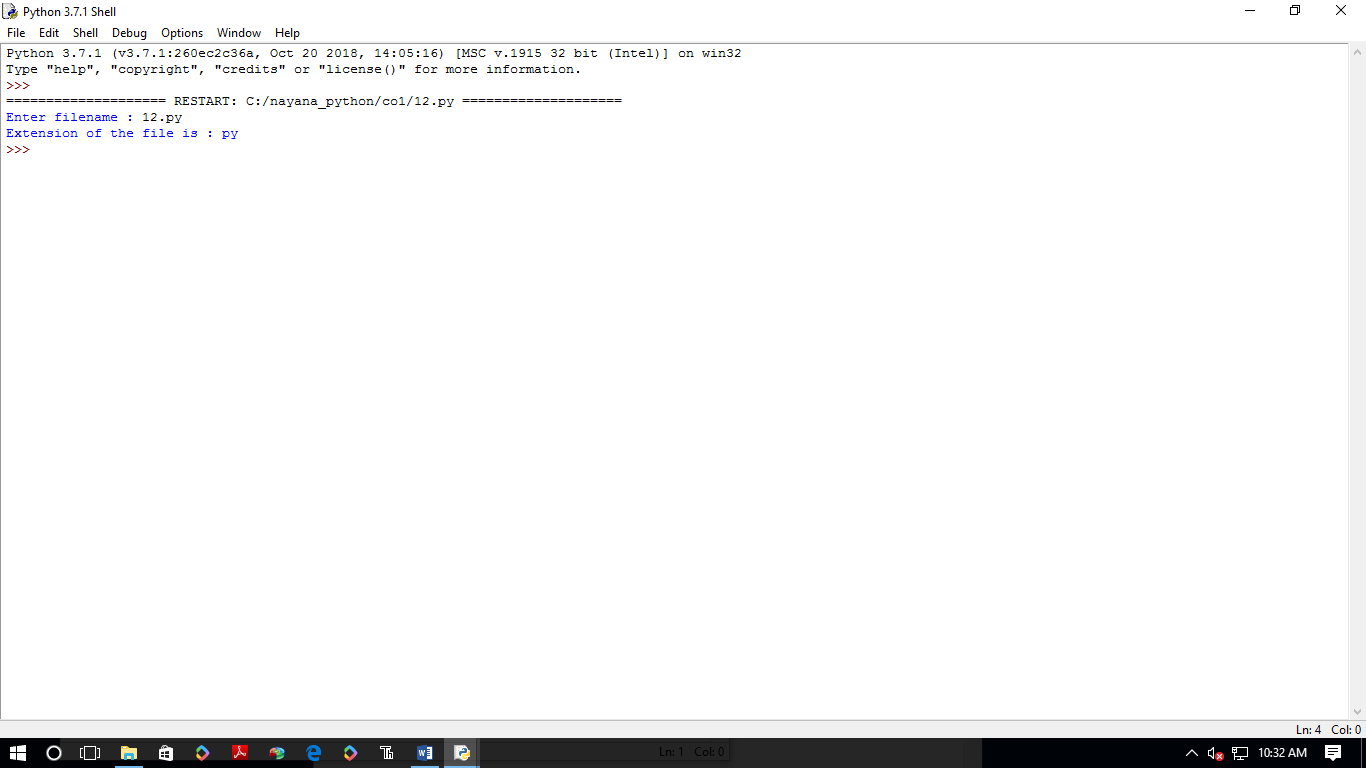


**12.Accept a file name from user and print extension of that**

file= input("Enter filename : ")

f=file.split(".")

print("Extension of the file is : " + f[-1])



**14.Accept an integer n and compute n+nn+nnn**

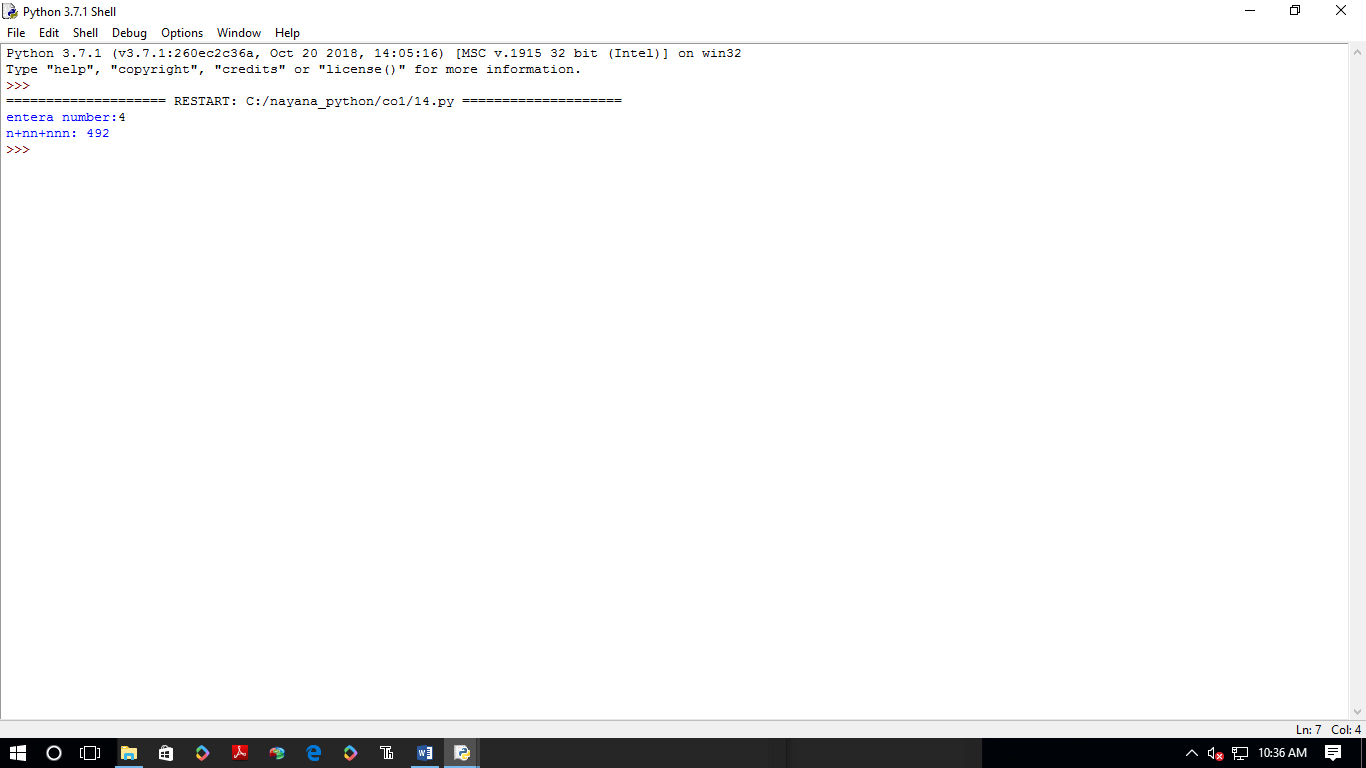
n=int(input("entera number:"))

x=int("%s"%n)

y=int("%s%s"%(n,n))

z=int("%s%s%s"%(n,n,n))

print("n+nn+nnn:",x+y+z)

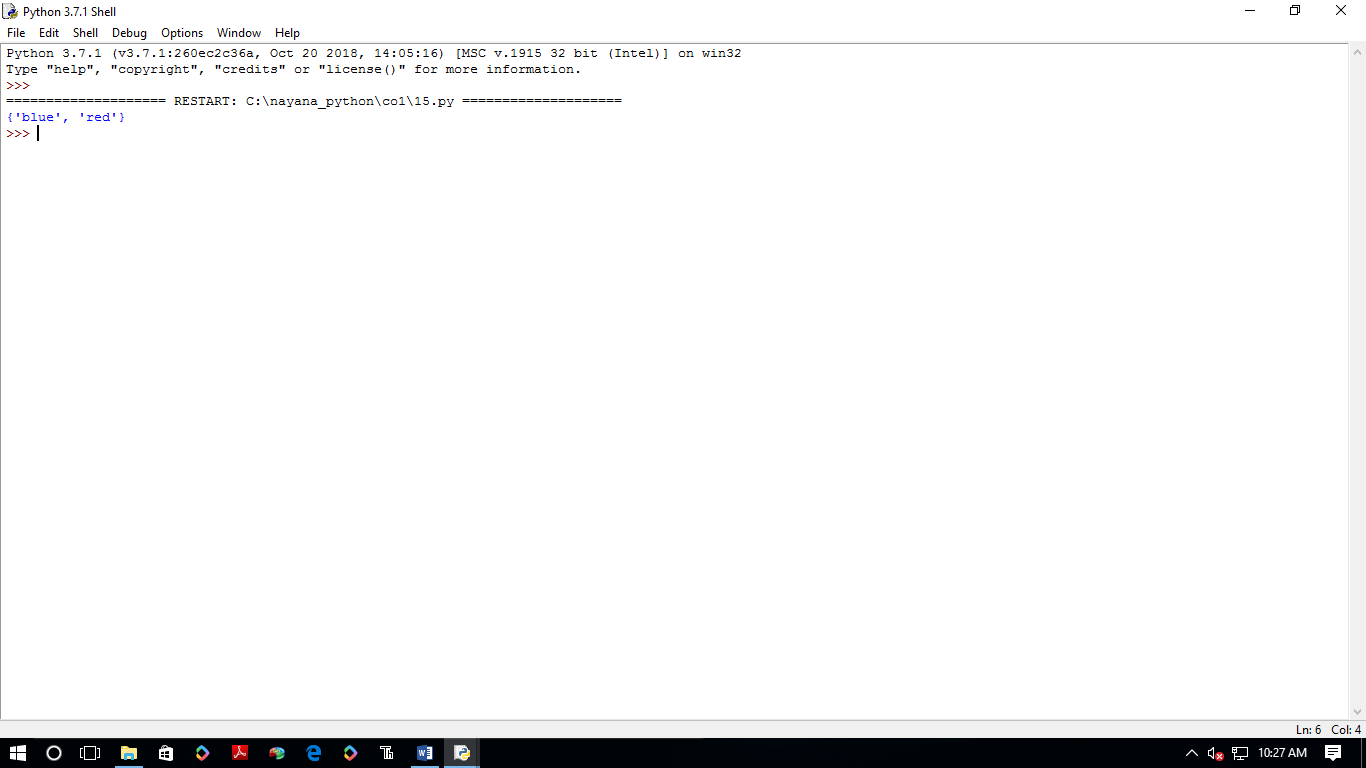


**15.Print out all colors from color-list1 not contained in color-list2.**

li1=set(["red","blue","green"])

li2=set(["green","violet","pink"])

print(li1.difference(li2))



**15.Print out all colors from color-list1 not contained in color-list2.**

a="python"

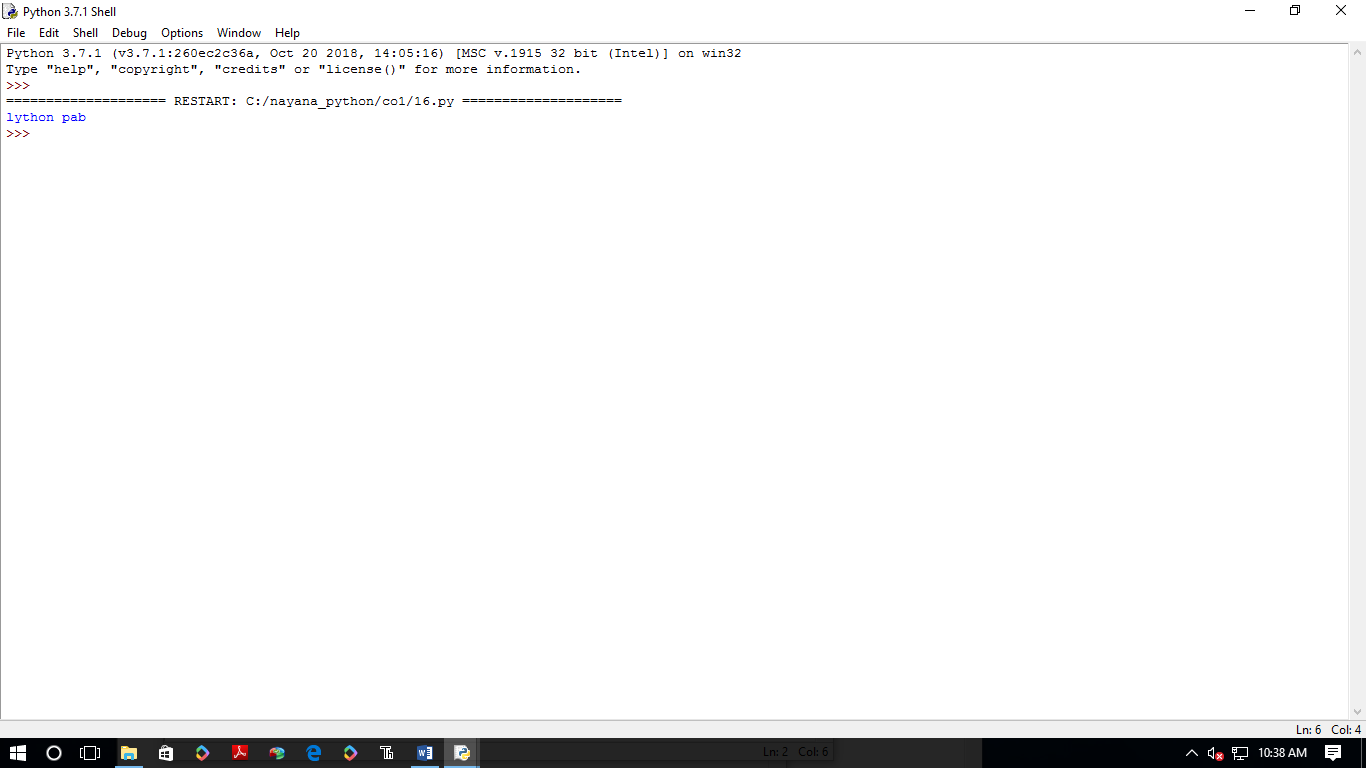
b="lab"

p1=a[0]

p2=b[0]

c=b[0]+a[1:len(a)]+" "+a[0]+b[1:len(b)]

print(c)



**19.Find gcd of 2 numbers.**

x=int(input("enter 1st no"))

y=int(input("enter 2nd no"))

i=1

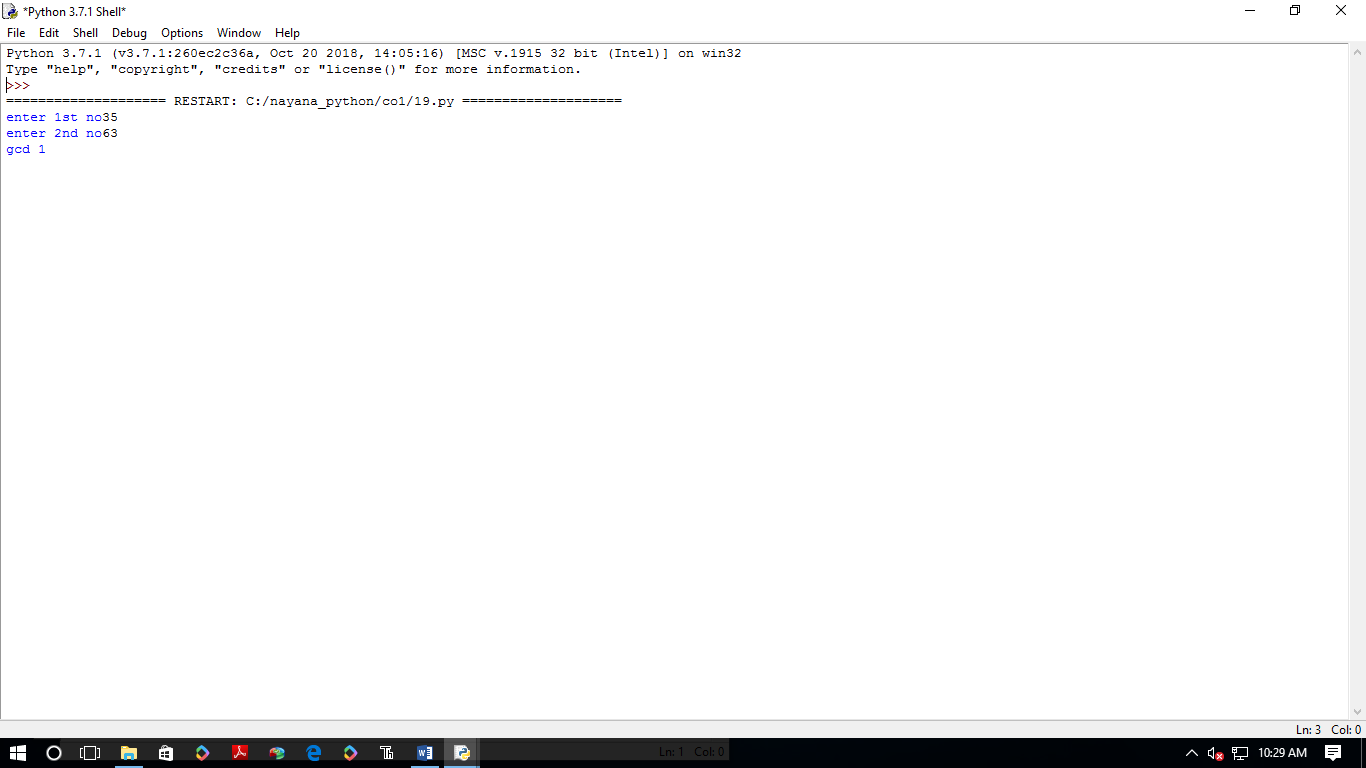
while(i<=x and i<=y):

if(x%i==0 and y%i==0):

gcd=i

i=i+1

print("gcd",gcd)



**20.From a list of integers, create a list removing even numbers**

num=[3,4,7,8,24,88]

print("original list:",num)

num=[x for x in num if x%2!=0]

print("list after removing even numbers:",num)

