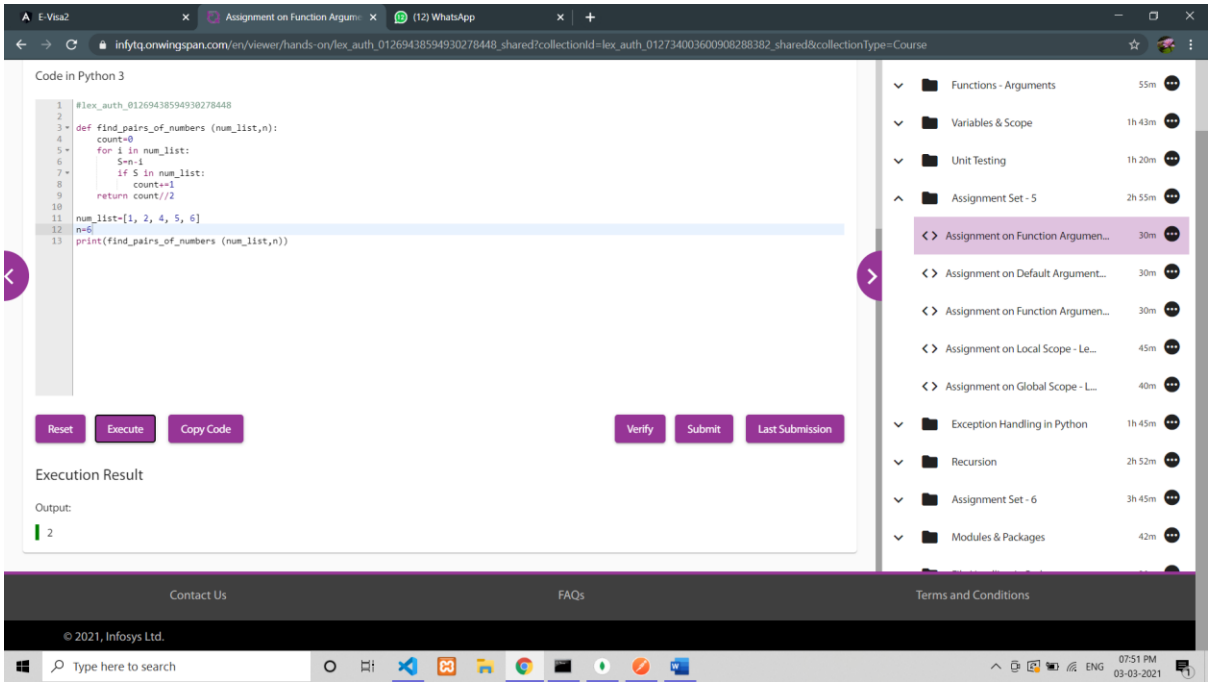
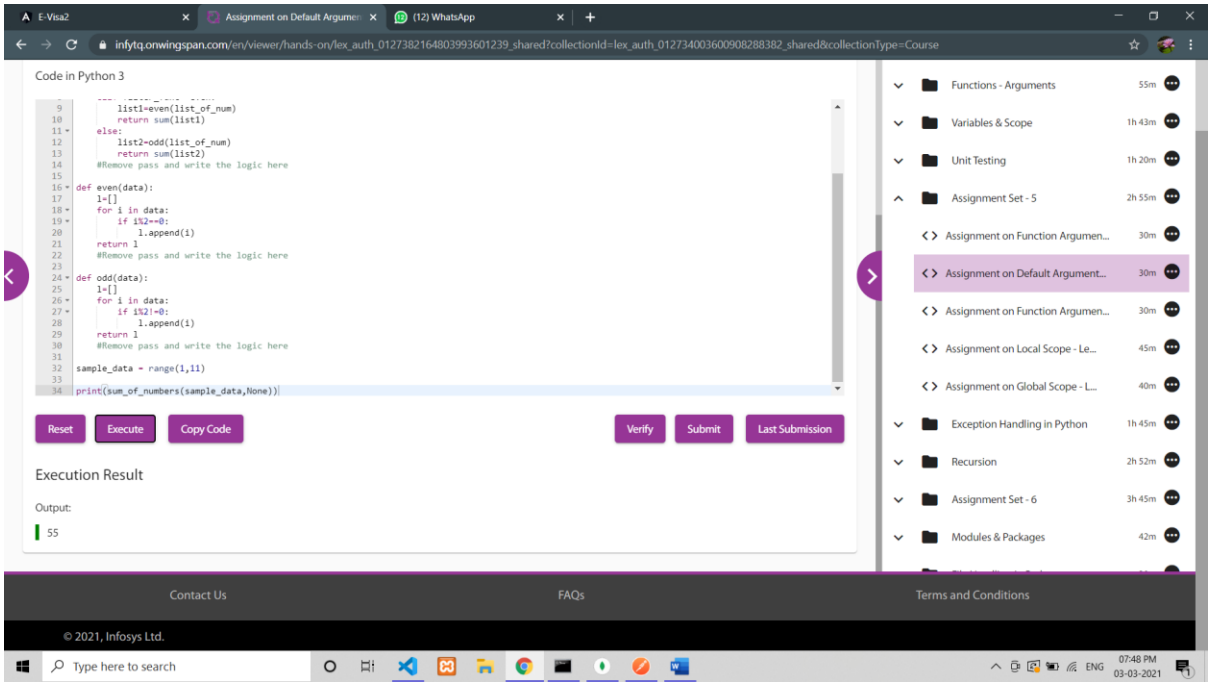
Name : Avisha Jain

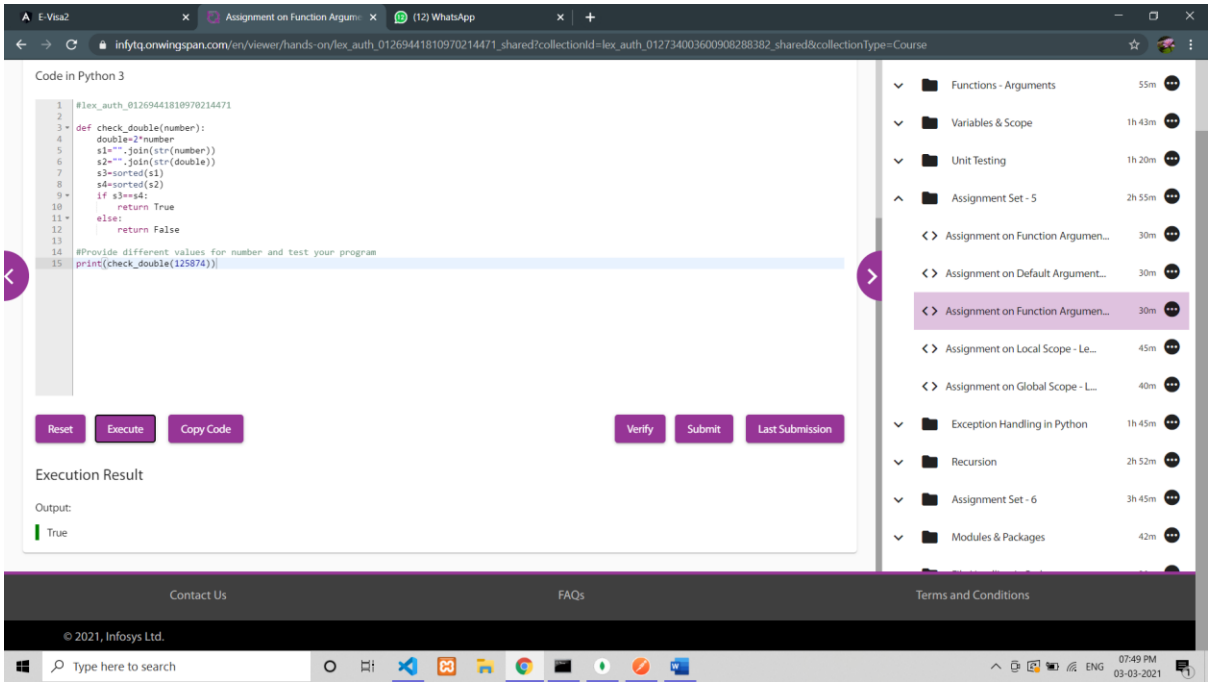
Class: TE IT B 69

UID: 19-ITB69-22

Assignment 5






E-Visa2
Assignment on Function Argum
(12) WhatsApp
infytq.onwingspan.com/en/viewer/hands-on/lex_auth_012694418109702144 71_shared?collectionId=lex_auth_012734003600908288382_shared&collectionType=Course
Code in Python 3
#lex_auth_012694418109702144 71
def check_double(number):
double=2*number
s1="".join(str(number))
s2="".join(str(double))
s3=sorted(s1)
s4=sorted(s2)
if s3==s4:
return True
else:
return False
#Provide different values for number and test your program
print(check_double(125874))
Reset
Execute
Copy Code
Verify
Submit
Last Submission
Execution Result
Output:
True
Functions - Arguments 55m
Variables & Scope 1h 43m
Unit Testing 1h 20m
Assignment Set - 5 2h 55m
Assignment on Function Argumen... 30m
Assignment on Default Argument... 30m
Assignment on Function Argumen... 30m
Assignment on Local Scope - Le... 45m
Assignment on Global Scope - L... 40m
Exception Handling in Python 1h 45m
Recursion 2h 52m
Assignment Set - 6 3h 45m
Modules & Packages 42m
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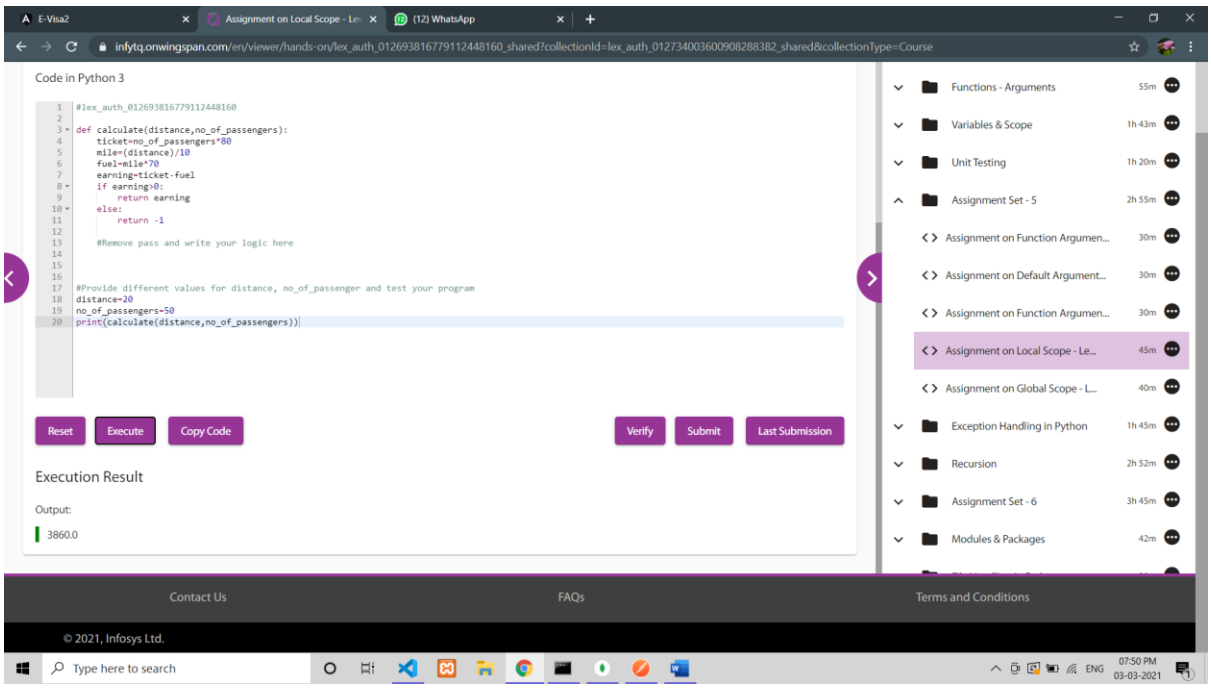
E-Visa2
Assignment on Local Scope - Le
(12) WhatsApp
infytq.onwingspan.com/en/viewer/hands-on/lex_auth_012693816779112448160_shared?collectionId=lex_auth_012734003600908288382_shared&collectionType=Course
Code in Python 3
#lex_auth_012693816779112448160
def calculate(distance,no_of_passengers):
ticket=no_of_passengers*80
mile=(distance)/10
fuel=mile*70
earning=ticket-fuel
if earning>0:
return earning
else:
return -1
#Remove pass and write your logic here
#Provide different values for distance, no_of_passenger and test your program
distance=20
no_of_passengers=50
print(calculate(distance,no_of_passengers))
Reset
Execute
Copy Code
Verify
Submit
Last Submission
Execution Result
Output:
3860.0
Functions - Arguments 55m
Variables & Scope 1h 43m
Unit Testing 1h 20m
Assignment Set - 5 2h 55m
Assignment on Function Argumen... 30m
Assignment on Default Argument... 30m
Assignment on Function Argumen... 30m
Assignment on Local Scope - Le... 45m
Assignment on Global Scope - L... 40m
Exception Handling in Python 1h 45m
Recursion 2h 52m
Assignment Set - 6 3h 45m
Modules & Packages 42m
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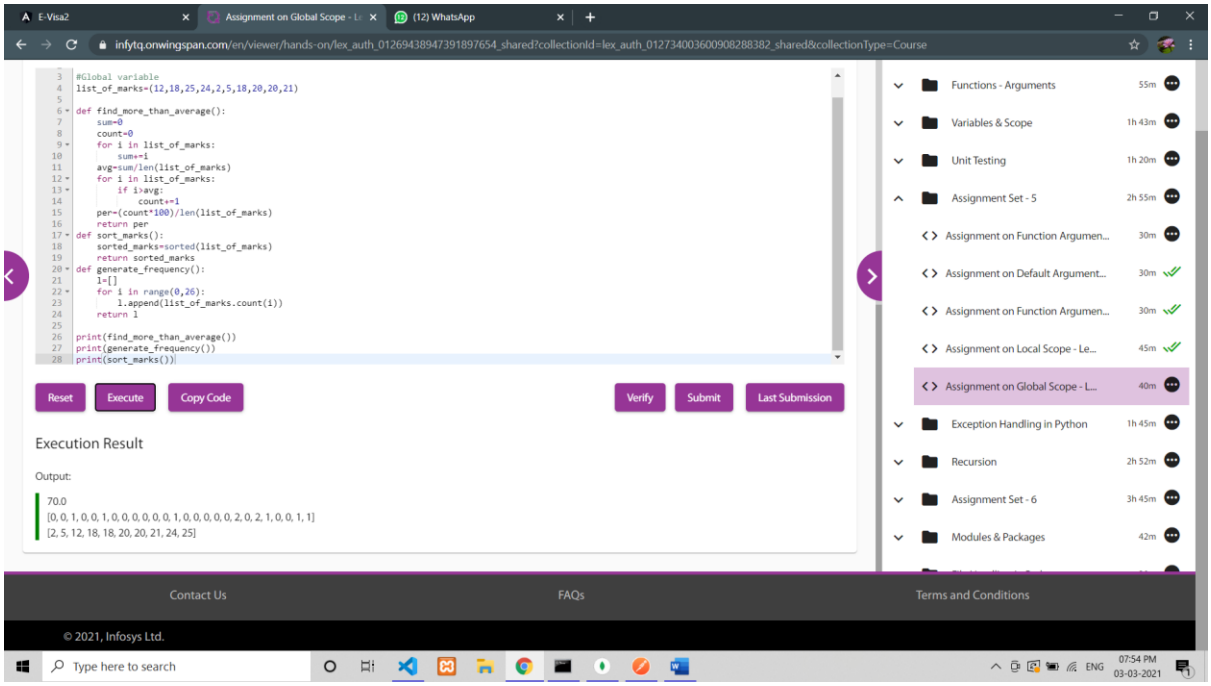
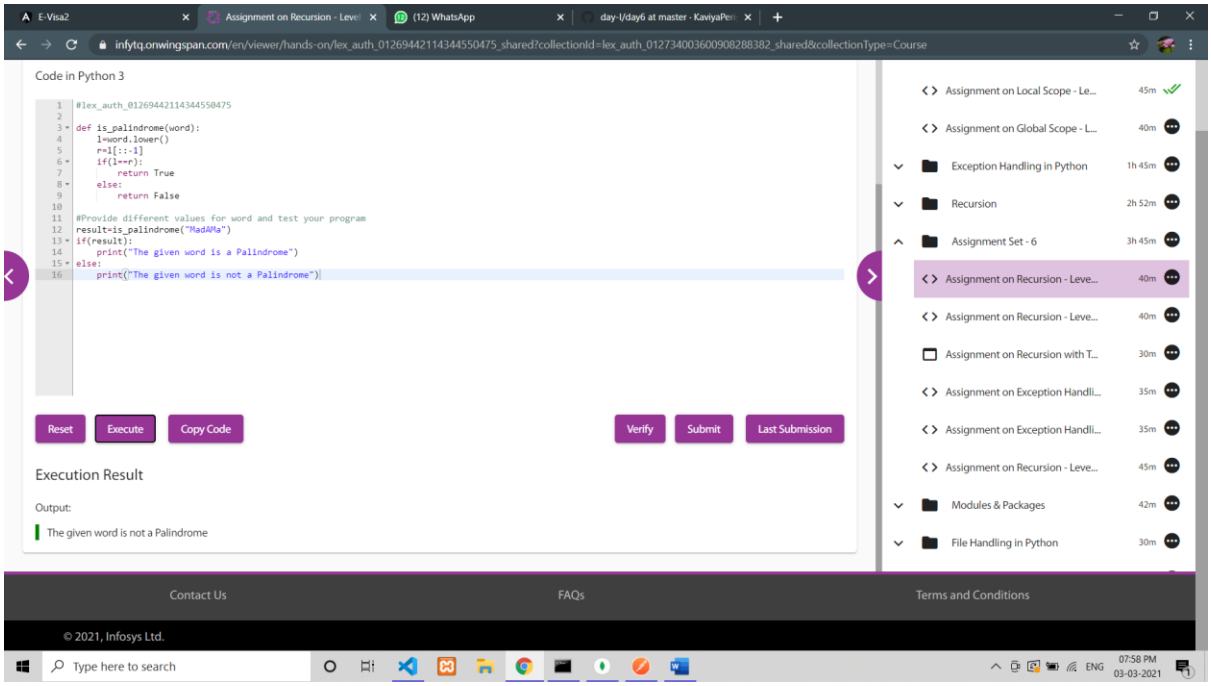
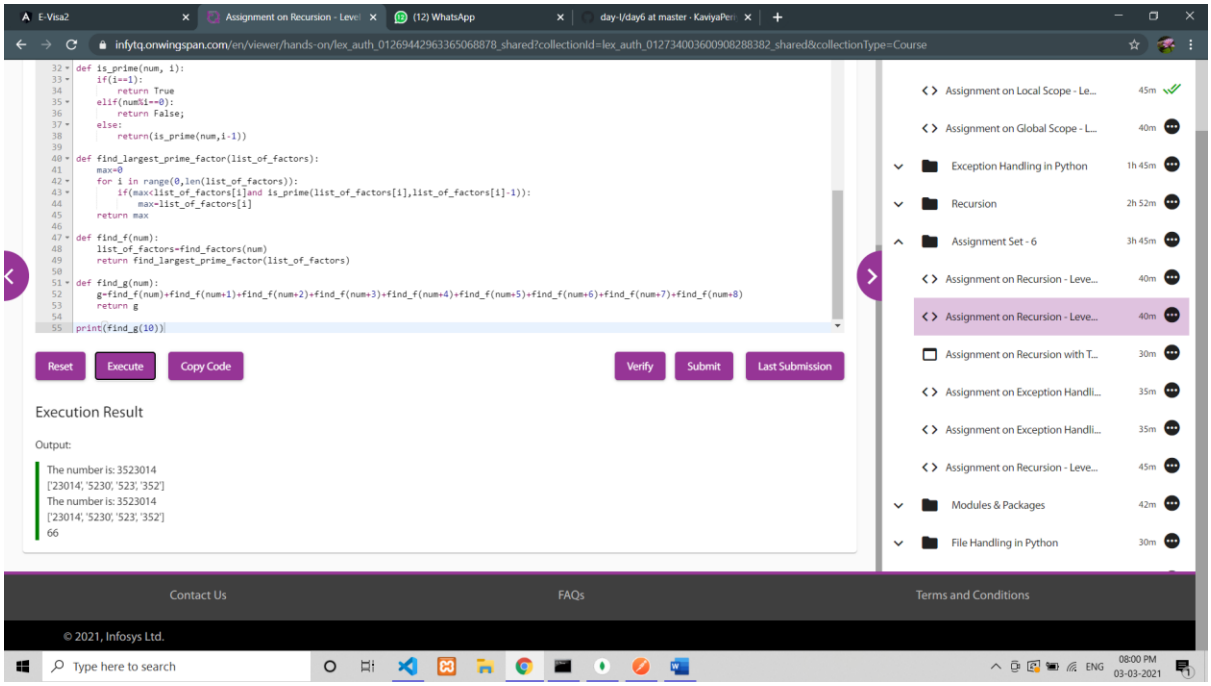


Assignment 6




E-Visa2
Assignment on Recursion - Level
(12) WhatsApp
day-1/day6 at master · KaviyaPer
infytq.onwingspan.com/en/viewer/hands-on/lex_auth_012694429633650688 78_shared?collectionId=lex_auth_012734003600908288382_shared&collectionType=Course
def is_prime(num, i):
if(i==1):
return True
elif(num%i==0):
return False;
else:
return(is_prime(num,i-1))
def find_largest_prime_factor(list_of_factors):
max=0
for i in range(0,len(list_of_factors)):
if(max<list_of_factors[i]and is_prime(list_of_factors[i],list_of_factors[i]-1)):
max=list_of_factors[i]
return max
def find_f(num):
list_of_factors=find_factors(num)
return find_largest_prime_factor(list_of_factors)
def find_g(num):
g=find_f(num)+find_f(num+1)+find_f(num+2)+find_f(num+3)+find_f(num+4)+find_f(num+5)+find_f(num+6)+find_f(num+7)+find_f(num+8)
return g
print(find_g(10))
Reset
Execute
Copy Code
Verify
Submit
Last Submission
Execution Result
Output:
The number is: 3523014
['23014', '5230', '523', '352']
The number is: 3523014
['23014', '5230', '523', '352']
66
Assignment on Local Scope - Le... 45m
Assignment on Global Scope - L... 40m
Exception Handling in Python 1h 45m
Recursion 2h 52m
Assignment Set - 6 3h 45m
Assignment on Recursion - Leve... 40m
Assignment on Recursion - Leve... 40m
Assignment on Recursion with T... 30m
Assignment on Exception Handli... 35m
Assignment on Exception Handli... 35m
Assignment on Recursion - Leve... 45m
Modules & Packages 42m
File Handling in Python 30m
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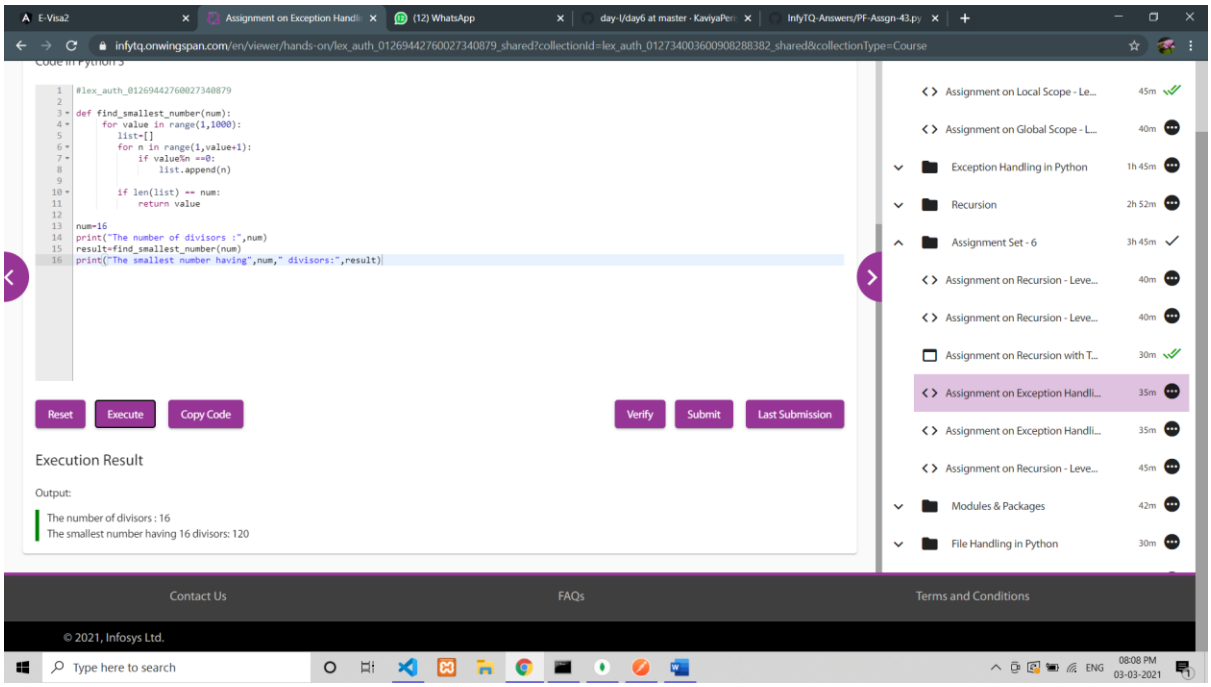
E-Visa2
Assignment on Exception Handli
(12) WhatsApp
day-1/day6 at master · KaviyaPer
InfyTQ-Answers/PF-Assgn-43.py
infytq.onwingspan.com/en/viewer/hands-on/lex_auth_012694427600273408 79_shared?collectionId=lex_auth_012734003600908288382_shared&collectionType=Course
Code in Python 3
#lex_auth_0126944276002734087 9
def find_smallest_number(num):
for value in range(1,1000):
list=[]
for n in range(1,value+1):
if value%n ==0:
list.append(n)
if len(list) == num:
return value
num=16
print("The number of divisors :",num)
result=find_smallest_number(num)
print("The smallest number having",num," divisors:",result)
Reset
Execute
Copy Code
Verify
Submit
Last Submission
Execution Result
Output:
The number of divisors : 16
The smallest number having 16 divisors: 120
Assignment on Local Scope - Le... 45m
Assignment on Global Scope - L... 40m
Exception Handling in Python 1h 45m
Recursion 2h 52m
Assignment Set - 6 3h 45m
Assignment on Recursion - Leve... 40m
Assignment on Recursion - Leve... 40m
Assignment on Recursion with T... 30m
Assignment on Exception Handli... 35m
Assignment on Exception Handli... 35m
Assignment on Recursion - Leve... 45m
Modules & Packages 42m
File Handling in Python 30m
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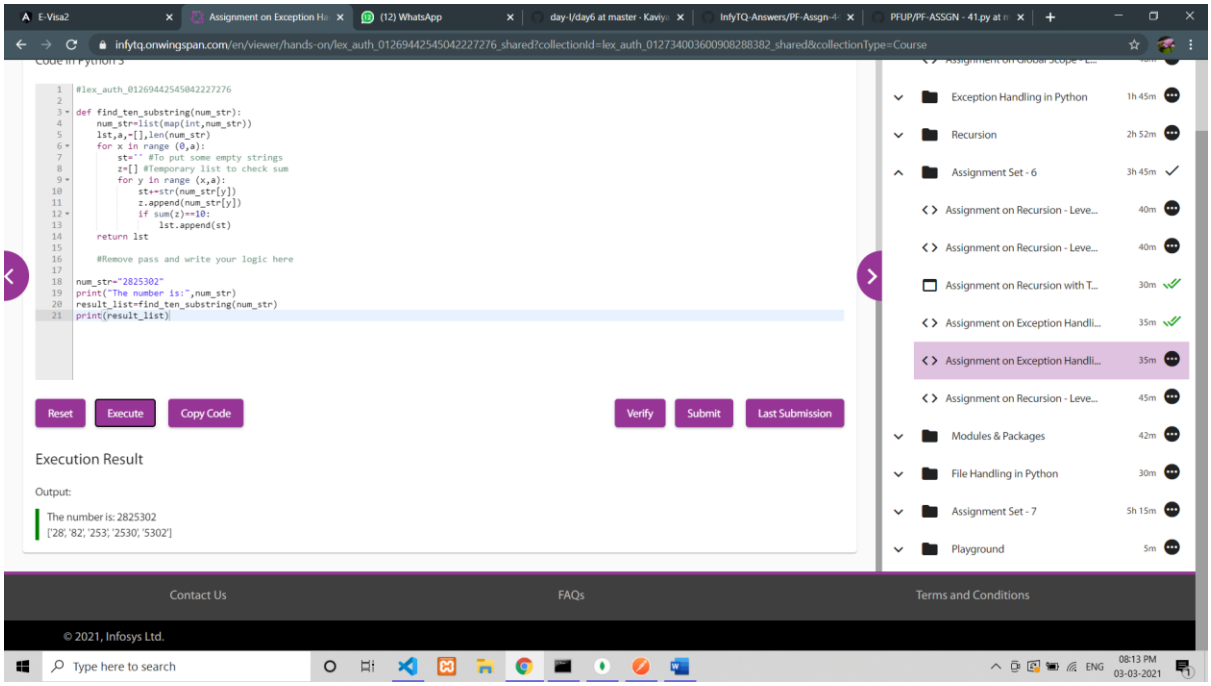
infytq.onwingspan.com/en/viewer/hands-on/lex_auth_012694425450422276 76_shared?collectionId=lex_auth_012734003600908288382_shared&collectionType=Course
#lex_auth_012694425450422276 76
def find_ten_substring(num_str):
num_str=list(map(int,num_str))
lst,a,=[],len(num_str)
for x in range (0,a):
st="" #To put some empty strings
z=[] #Temporary list to check sum
for y in range (x,a):
st+=str(num_str[y])
z.append(num_str[y])
if sum(z)==10:
lst.append(st)
return lst
#Remove pass and write your logic here
num_str="2825302"
print("The number is:",num_str)
result_list=find_ten_substring(num_str)
print(result_list)
Reset
Execute
Copy Code
Verify
Submit
Last Submission
Execution Result
Output:
The number is: 2825302
['28', '82', '253', '2530', '5302']
Exception Handling in Python 1h 45m
Recursion 2h 52m
Assignment Set - 6 3h 45m
Assignment on Recursion - Leve... 40m
Assignment on Recursion - Leve... 40m
Assignment on Recursion with T... 30m
Assignment on Exception Handli... 35m
Assignment on Exception Handli... 35m
Assignment on Recursion - Leve... 45m
Modules & Packages 42m
File Handling in Python 30m
Assignment Set - 7 5h 15m
Playground 5m
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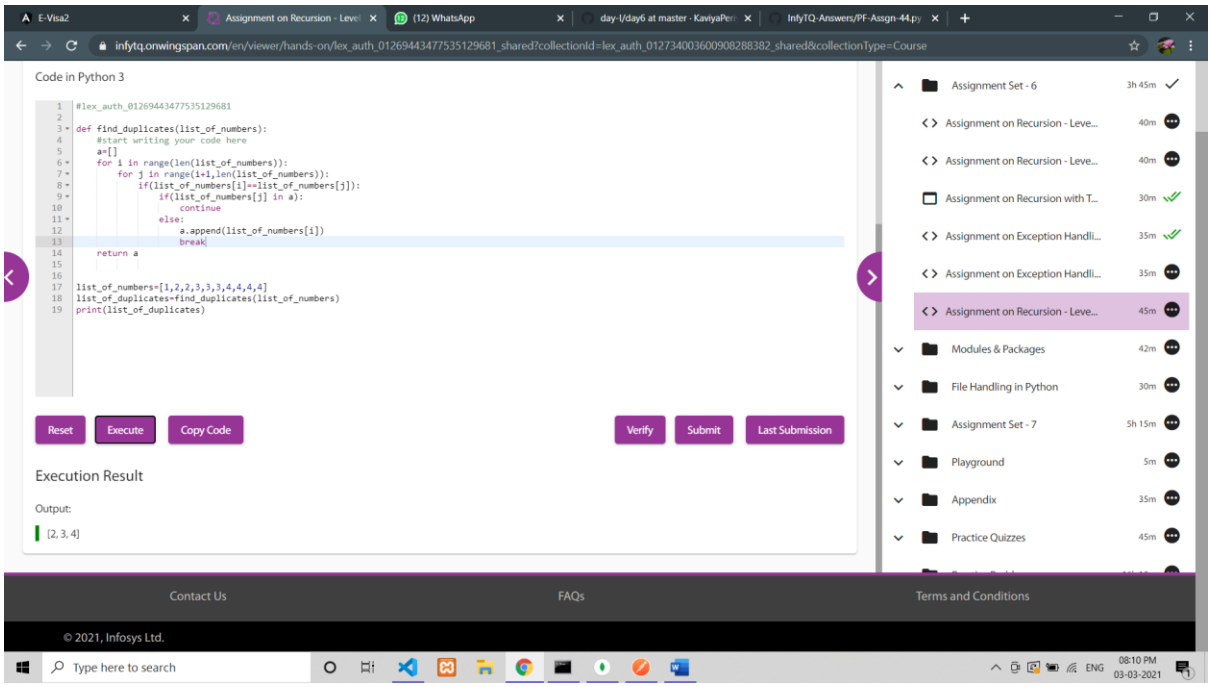
infytq.onwingspan.com/en/viewer/hands-on/lex_auth_012694434775351296 81_shared?collectionId=lex_auth_012734003600908288382_shared&collectionType=Course
Code in Python 3
#lex_auth_012694434775351296 81
def find_duplicates(list_of_numbers):
#start writing your code here
a=[]
for i in range(len(list_of_numbers)):
for j in range(i+1,len(list_of_numbers)):
if(list_of_numbers[i]==list_of_numbers[j]):
if(list_of_numbers[j] in a):
continue
else:
a.append(list_of_numbers[i])
break
return a
list_of_numbers=[1,2,2,3,3,3,4,4,4,4]
list_of_duplicates=find_duplicates(list_of_numbers)
print(list_of_duplicates)
Reset
Execute
Copy Code
Verify
Submit
Last Submission
Execution Result
Output:
[2, 3, 4]
Assignment Set - 6 3h 45m
Assignment on Recursion - Leve... 40m
Assignment on Recursion - Leve... 40m
Assignment on Recursion with T... 30m
Assignment on Exception Handli... 35m
Assignment on Exception Handli... 35m
Assignment on Recursion - Leve... 45m
Modules & Packages 42m
File Handling in Python 30m
Assignment Set - 7 5h 15m
Playground 5m
Appendix 35m
Practice Quizzes 45m
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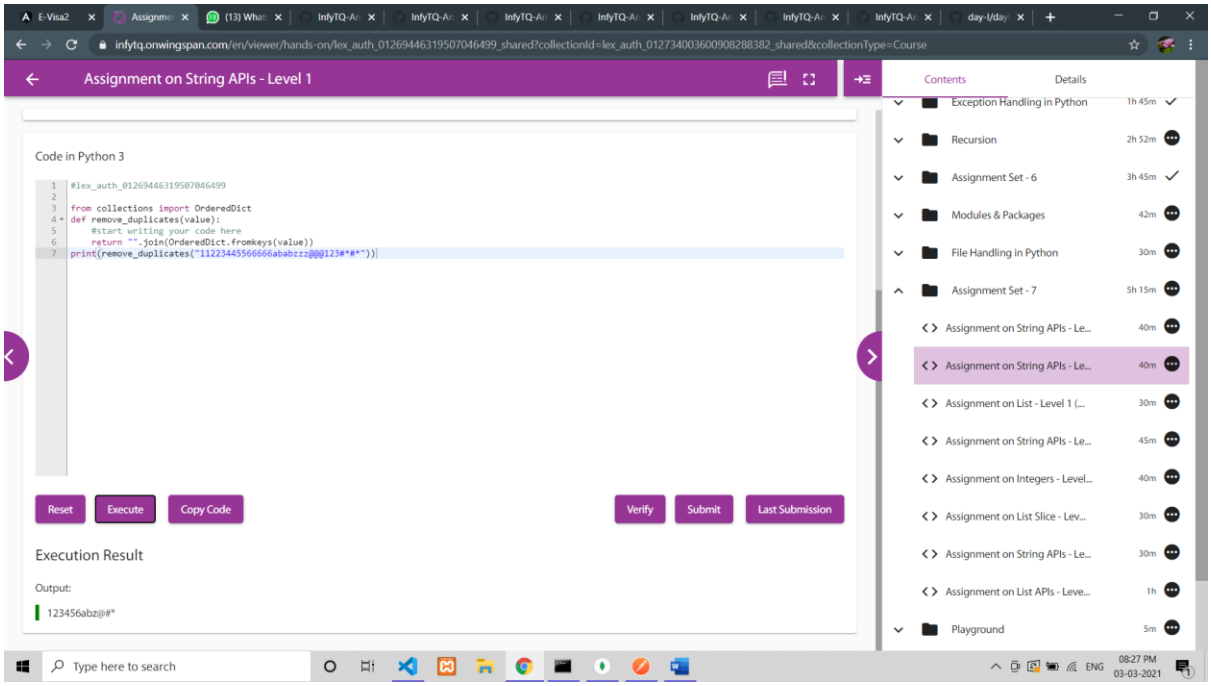
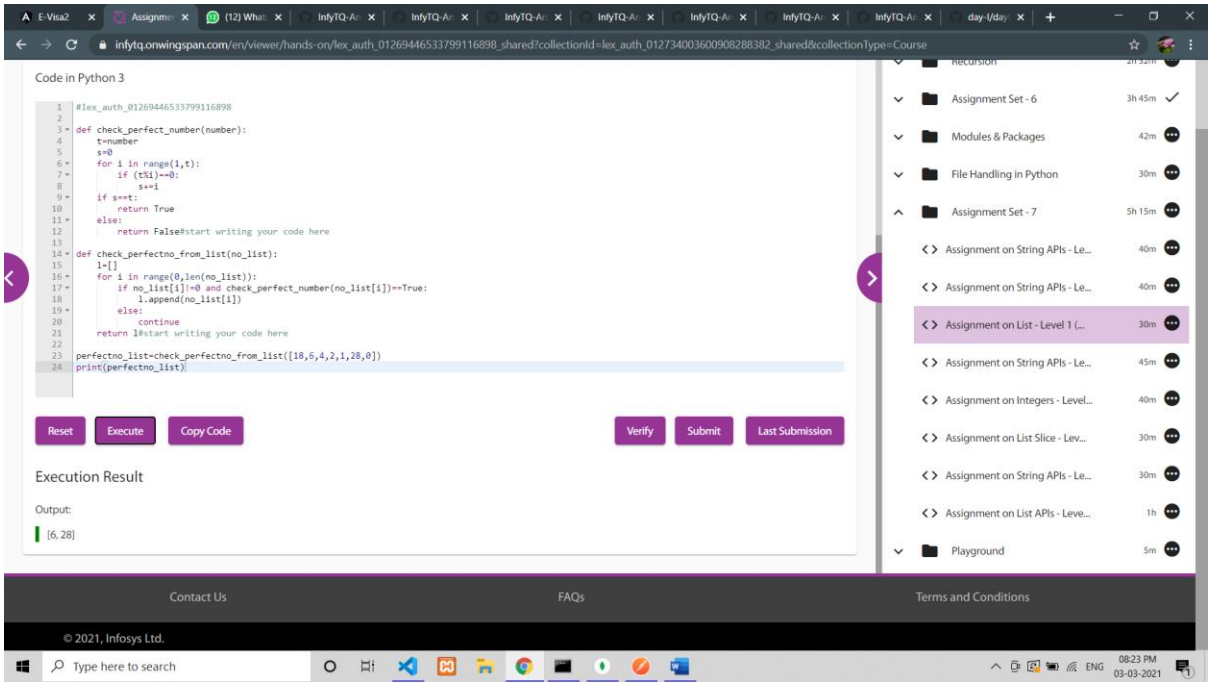
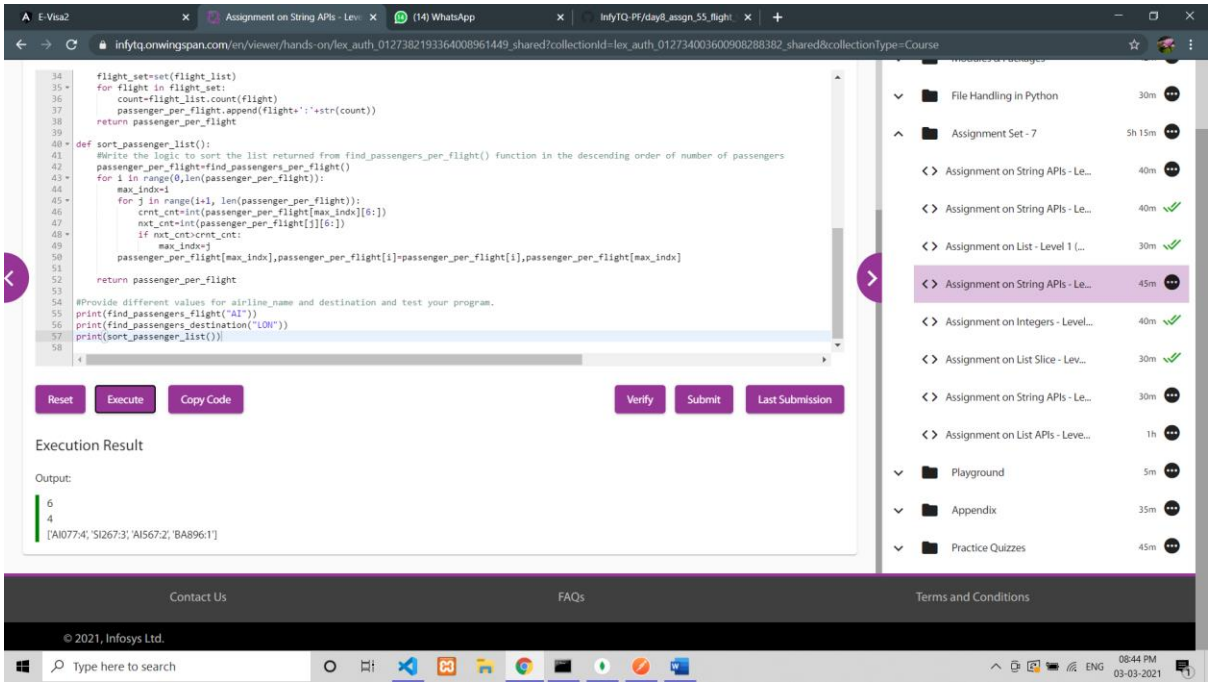
Assignment 7






E-Visa2
Assignment on String APIs - Leve
(14) WhatsApp
InfyTQ-PF/day8_assgn_55_flight
infytq.onwingspan.com/en/viewer/hands-on/lex_auth_012738219336400896144 9_shared?collectionId=lex_auth_012734003600908288382_shared&collectionType=Course
flight_set=set(flight_list)
for flight in flight_set:
count=flight_list.count(flight)
passenger_per_flight.append(flight+':'+str(count))
return passenger_per_flight
def sort_passenger_list():
#Write the logic to sort the list returned from find_passengers_per_flight() function in the descending order of number of passengers
passenger_per_flight=find_passengers_per_flight()
for i in range(0,len(passenger_per_flight)):
max_indx=i
for j in range(i+1, len(passenger_per_flight)):
crnt_cnt=int(passenger_per_flight[max_indx][6:])
nxt_cnt=int(passenger_per_flight[j][6:])
if nxt_cnt>crnt_cnt:
max_indx=j
passenger_per_flight[max_indx],passenger_per_flight[i]=passenger_per_flight[i],passenger_per_flight[max_indx]
return passenger_per_flight
#Provide different values for airline_name and destination and test your program.
print(find_passengers_flight("AI"))
print(find_passengers_destination("LON"))
print(sort_passenger_list())
Reset
Execute
Copy Code
Verify
Submit
Last Submission
Execution Result
Output:
6
4
['AI077:4', 'SI267:3', 'AI567:2', 'BA896:1']
File Handling in Python 30m
Assignment Set - 7 5h 15m
Assignment on String APIs - Le... 40m
Assignment on String APIs - Le... 40m
Assignment on List - Level 1 (... 30m
Assignment on String APIs - Le... 45m
Assignment on Integers - Level... 40m
Assignment on List Slice - Lev... 30m
Assignment on String APIs - Le... 30m
Assignment on List APIs - Leve... 1h
Playground 5m
Appendix 35m
Practice Quizzes 45m
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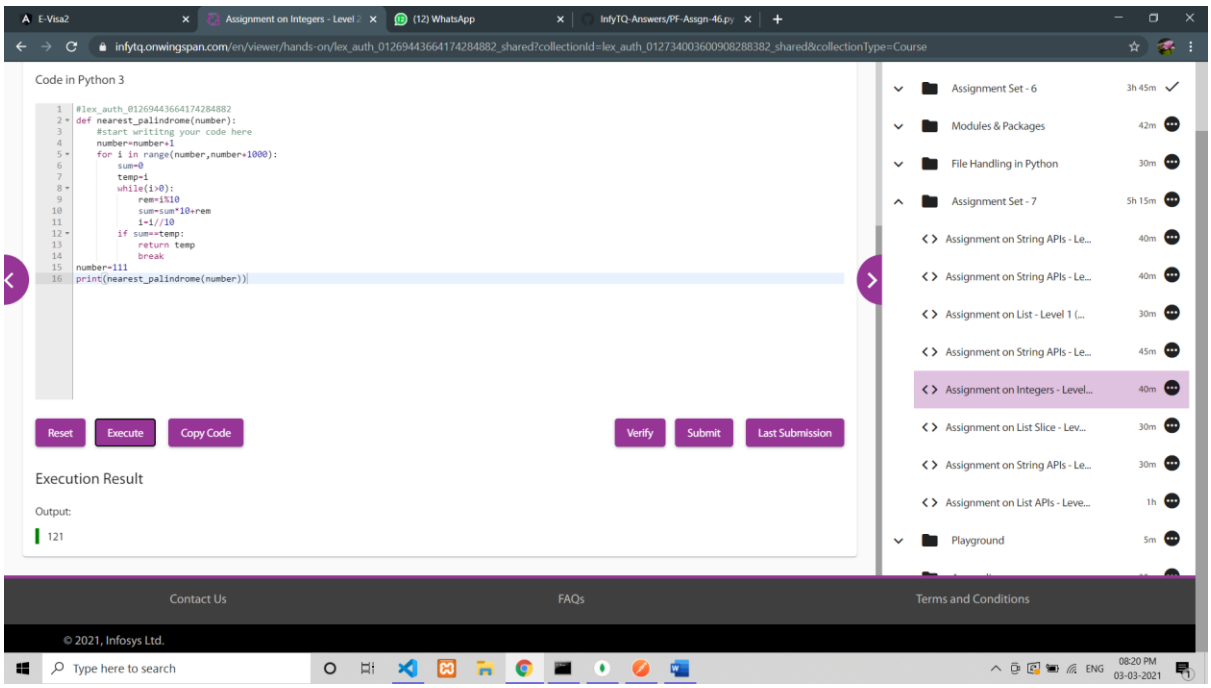
E-Visa2
Assignment on Integers - Level 2
(12) WhatsApp
InfyTQ-Answers/PF-Assgn-46.py
infytq.onwingspan.com/en/viewer/hands-on/lex_auth_012694436641742848 82_shared?collectionId=lex_auth_012734003600908288382_shared&collectionType=Course
Code in Python 3
#lex_auth_012694436641742848 82
def nearest_palindrome(number):
#start writitng your code here
number=number+1
for i in range(number,number+1000):
sum=0
temp=i
while(i>0):
rem=i%10
sum=sum*10+rem
i=i//10
if sum==temp:
return temp
break
number=111
print(nearest_palindrome(number))
Reset
Execute
Copy Code
Verify
Submit
Last Submission
Execution Result
Output:
121
Assignment Set - 6 3h 45m
Modules & Packages 42m
File Handling in Python 30m
Assignment Set - 7 5h 15m
Assignment on String APIs - Le... 40m
Assignment on String APIs - Le... 40m
Assignment on List - Level 1 (... 30m
Assignment on String APIs - Le... 45m
Assignment on Integers - Level... 40m
Assignment on List Slice - Lev... 30m
Assignment on String APIs - Le... 30m
Assignment on List APIs - Leve... 1h
Playground 5m
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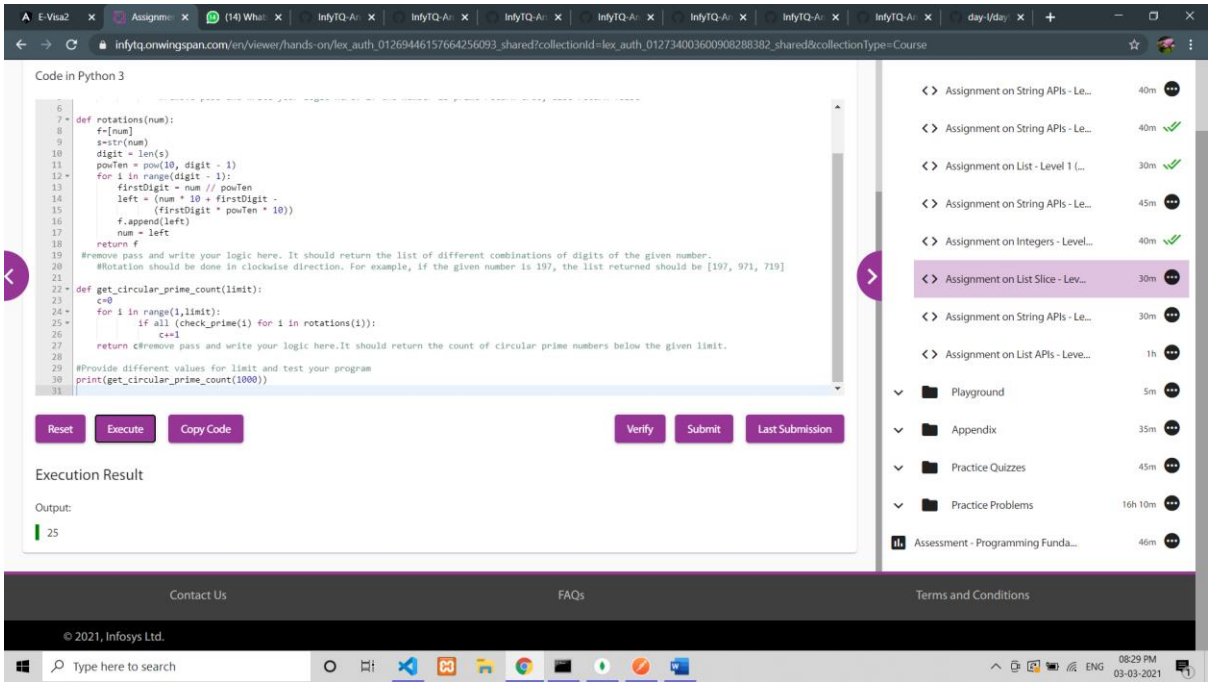
infytq.onwingspan.com/en/viewer/hands-on/lex_auth_012694461576642560 93_shared?collectionId=lex_auth_012734003600908288382_shared&collectionType=Course
Code in Python 3
def rotations(num):
f=[num]
s=str(num)
digit = len(s)
powTen = pow(10, digit - 1)
for i in range(digit - 1):
firstDigit = num // powTen
left = (num * 10 + firstDigit -
(firstDigit * powTen * 10))
f.append(left)
num = left
return f
#remove pass and write your logic here. It should return the list of different combinations of digits of the given number.
#Rotation should be done in clockwise direction. For example, if the given number is 197, the list returned should be [197, 971, 719]
def get_circular_prime_count(limit):
c=0
for i in range(1,limit):
if all (check_prime(i) for i in rotations(i)):
c+=1
return c#remove pass and write your logic here.It should return the count of circular prime numbers below the given limit.
#Provide different values for limit and test your program
print(get_circular_prime_count(1000))
Reset
Execute
Copy Code
Verify
Submit
Last Submission
Execution Result
Output:
25
Assignment on String APIs - Le... 40m
Assignment on String APIs - Le... 40m
Assignment on List - Level 1 (... 30m
Assignment on String APIs - Le... 45m
Assignment on Integers - Level... 40m
Assignment on List Slice - Lev... 30m
Assignment on String APIs - Le... 30m
Assignment on List APIs - Leve... 1h
Playground 5m
Appendix 35m
Practice Quizzes 45m
Practice Problems 16h 10m
Assessment - Programming Funda... 46m
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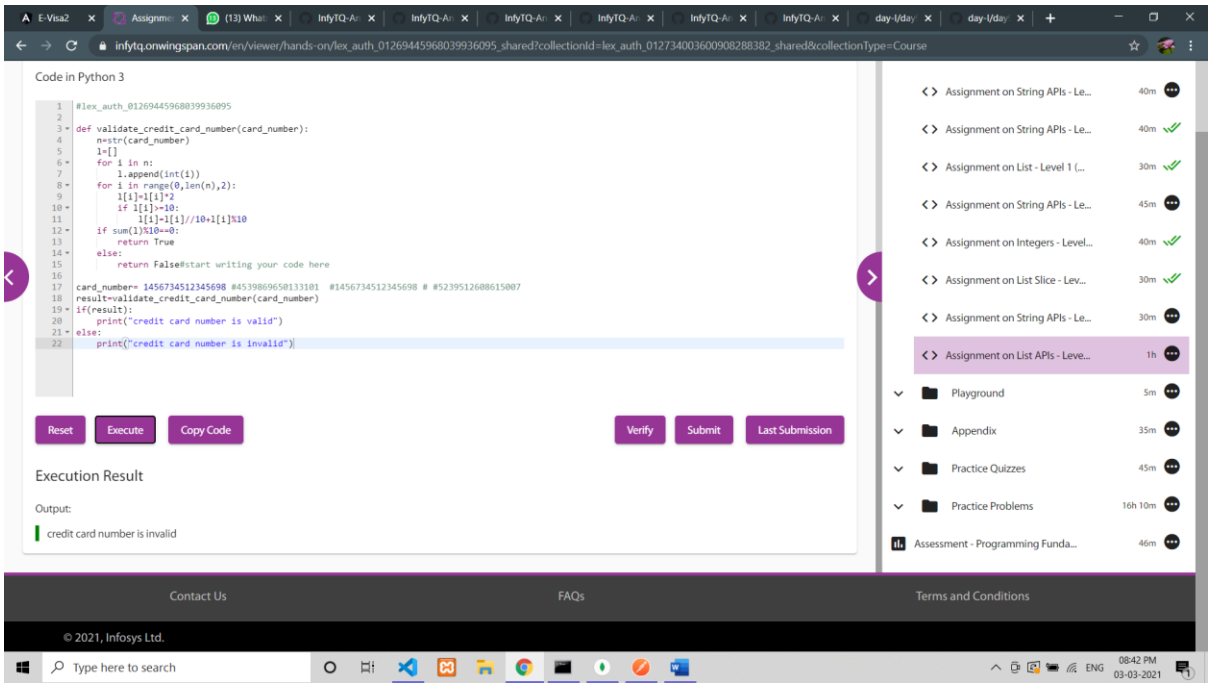
infytq.onwingspan.com/en/viewer/hands-on/lex_auth_012694459680399360 95_shared?collectionId=lex_auth_012734003600908288382_shared&collectionType=Course
Code in Python 3
#lex_auth_012694459680399360 95
def validate_credit_card_number(card_number):
n=str(card_number)
l=[]
for i in n:
l.append(int(i))
for i in range(0,len(n),2):
l[i]=l[i]*2
if l[i]>=10:
l[i]=l[i]//10+l[i]%10
if sum(l)%10==0:
return True
else:
return False#start writing your code here
card_number= 1456734512345698 #4539869650133101 #1456734512345698 # #5239512608615007
result=validate_credit_card_number(card_number)
if(result):
print("credit card number is valid")
else:
print("credit card number is invalid")
Reset
Execute
Copy Code
Verify
Submit
Last Submission
Execution Result
Output:
credit card number is invalid
Assignment on String APIs - Le... 40m
Assignment on String APIs - Le... 40m
Assignment on List - Level 1 (... 30m
Assignment on String APIs - Le... 45m
Assignment on Integers - Level... 40m
Assignment on List Slice - Lev... 30m
Assignment on String APIs - Le... 30m
Assignment on List APIs - Leve... 1h
Playground 5m
Appendix 35m
Practice Quizzes 45m
Practice Problems 16h 10m
Assessment - Programming Funda... 46m
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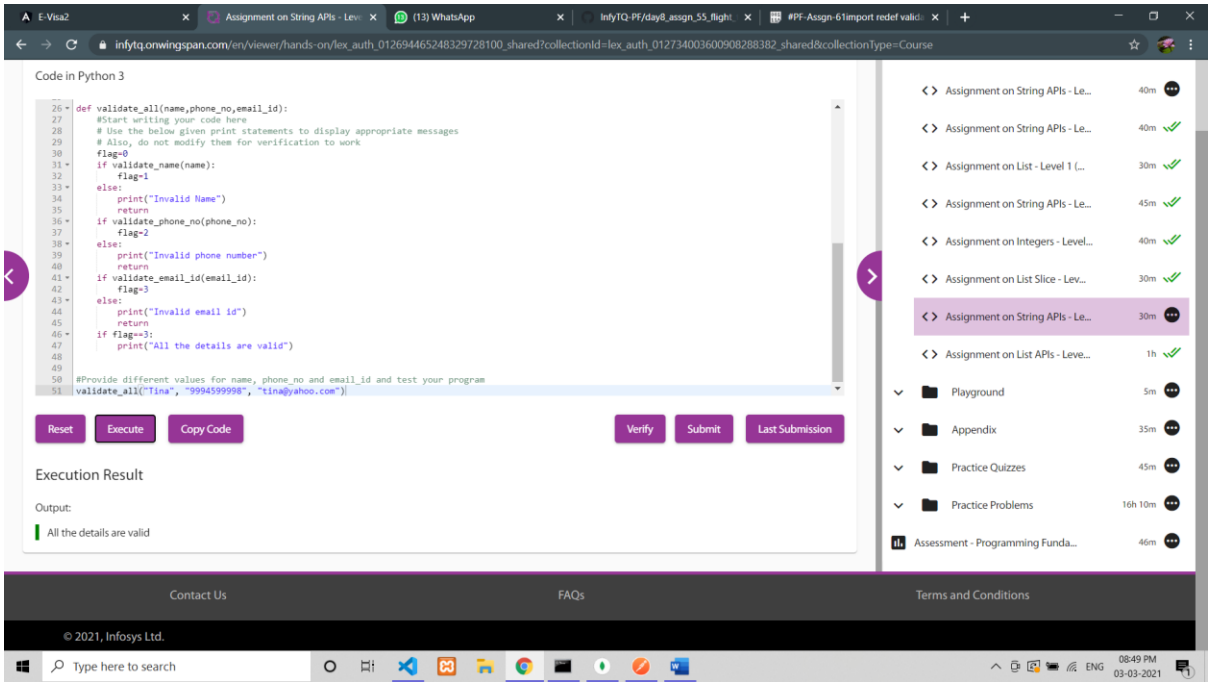
E-Visa2
Assignment on String APIs - Lev
(13) WhatsApp
InfyTQ-PF/day8_assgn_55_flight
#PF-Assgn-61import redef valid
infytq.onwingspan.com/en/viewer/hands-on/lex_auth_012694465248329728100_shared?collectionId=lex_auth_012734003600908288382_shared&collectionType=Course
Code in Python 3
def validate_all(name,phone_no,email_id):
#Start writing your code here
# Use the below given print statements to display appropriate messages
# Also, do not modify them for verification to work
flag=0
if validate_name(name):
flag=1
else:
print("Invalid Name")
return
if validate_phone_no(phone_no):
flag=2
else:
print("Invalid phone number")
return
if validate_email_id(email_id):
flag=3
else:
print("Invalid email id")
return
if flag==3:
print("All the details are valid")
#Provide different values for name, phone_no and email_id and test your program
validate_all("Tina", "9994599998", "tina@yahoo.com")
Reset
Execute
Copy Code
Verify
Submit
Last Submission
Execution Result
Output:
All the details are valid
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Assignment on String APIs - Le... 40m
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