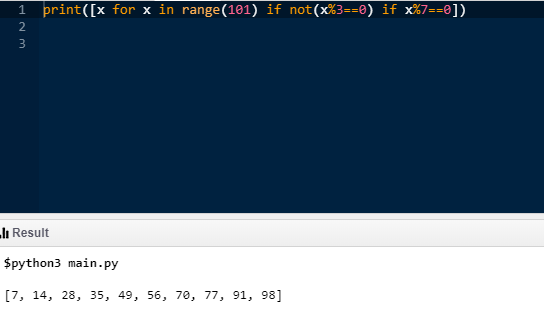
**Ronak Patel**

**DAY -25 TASK**

**TASK:**

1. Write a program to Python find the values which is not divisible 3 but is should be a multiple of 7. Make sure to use only higher order function.

print([x for x in range(101) if not(x%3==0) if x%7==0])



1. Write a program in Python to multiple the element of list by itself using a traditional function and pass the function to map to complete the operation.

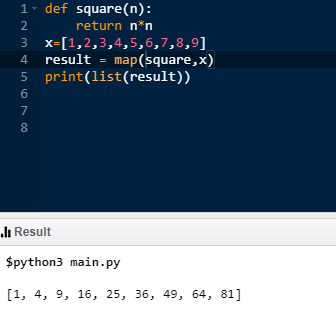
Ans :- def square(n):

return n\*n

x=[1,2,3,4,5,6,7,8,9]

result = map(square,x)

print(list(result))

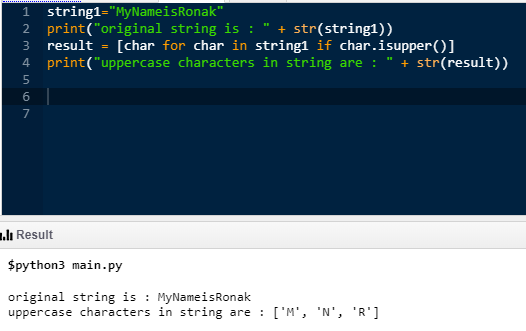


1. Write a program to Python find out the character in a string which is uppercase using list comprehension.

string1="MyNameisRonak"

print("original string is : " + str(string1))

result = [char for char in string1 if char.isupper()]

print("uppercase characters in string are : " + str(result))

1. Write a program to construct a dictionary from the two lists containing the names of students and their corresponding subjects. The dictionary should maps the students with their respective subjects. Let’s see how to do this using for loops and dictionary comprehension. HINT-Use Zip function also

Traditional Program for For loop :-

test\_keys = ["Ronak", "Akshay", "Smith","Prajay"]

test\_values = ["SPA394","OS414","CN786","ED234"]

print ("Original key list is : " + str(test\_keys))

print ("Original value list is : " + str(test\_values))

res = {}

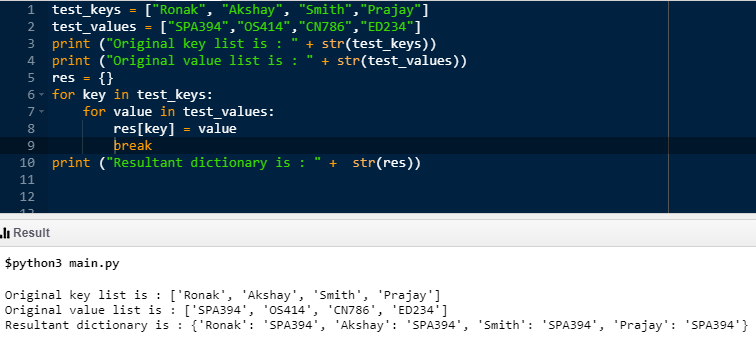
for key in test\_keys:

for value in test\_values:

res[key] = value

break

print ("Resultant dictionary is : " + str(res))



Using Dict comprehension and Zip():-

test\_keys = ["Ronak", "Akshay", "Smith","Prajay"]

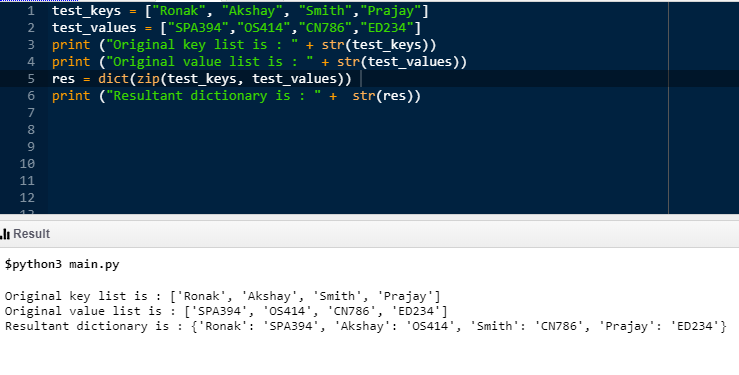
test\_values = ["SPA394","OS414","CN786","ED234"]

print ("Original key list is : " + str(test\_keys))

print ("Original value list is : " + str(test\_values))

res = dict(zip(test\_keys, test\_values))

print ("Resultant dictionary is : " + str(res))



1. Write a program in Python using generators to reverse the string. Input String = “Consultadd Training”

def reverse\_string(test):

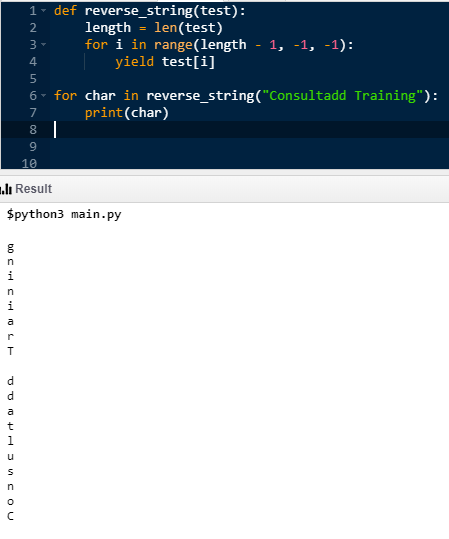
length = len(test)

for i in range(length - 1, -1, -1):

yield test[i]

for i in reverse\_string("Consultadd Training"):

print(i)



1. Write any example on decorators.

def make\_pretty(func):

def inner():

print("I got decorated")

func()

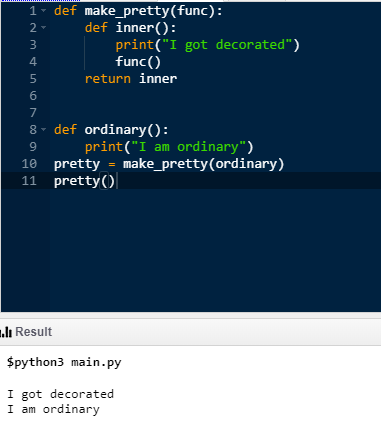
return inner

def ordinary():

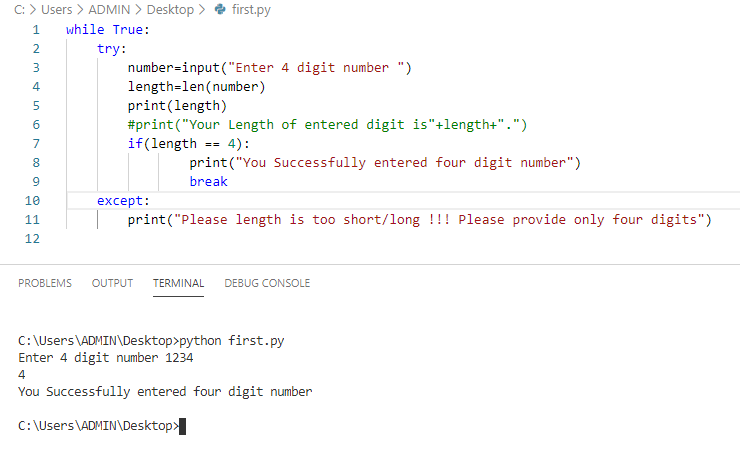
print("I am ordinary")

pretty = make\_pretty(ordinary)

pretty()



8) Write a program to handle an error if the user entered the number more than four digits it should return “Please length is too short/long !!! Please provide only four digits”



9) Create a login page backend to ask user to enter the UserEmail and password. Make sure to ask Re- Type Password and if the password is incorrect give chance to enter it again but it should not be more than 3 times.

print('Enter correct username and password combo to continue')

count=0

while count < 3:

username = input('Enter username: ')

password = input('Enter password: ')

if password=='ronak123' and username=='ronakp1500':

print('Access granted')

break

else:

print('Access denied. Try again.')

count += 1

