REV-WEEK4- Assignment on Python Function ------ Created by V.Karthik Date:09.11.2022



Sample Input

Sample Output

#RajalakshmieduverseREV

Celsius to Fahrenheit

Problem 3:

Rajalakshmi eduverse REV

#RajalakshmieduverseREV

Enter your messageRajalakshmi eduverse REV

In [10]: celsius = int(input("Enter the temperature value in celsius:"))

Hint: Fahrenheit value: 9/5 * celsius + 32

#TO DO write your code here

return (9/5) *c+32

fahrenheit = conv(celsius)

print(fahrenheit)

Python from Scratch **Weekly Assignment**



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www.eduver.se
problem 1:
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You are given a program with two inputs: one as a password and the second one as a password repeat. Complete and call the given function to output "Correct" if the password and repeat are equal, and output "Wrong", if they are not. Sample Input nfs1598

nfs1598 Sample Output Correct

CODE1: In [2]: password = input("Enter the Password:") repeat = input("Re-Enter the Password:") def validate(pwd1, pwd2): #TO DO write your code here **if** (pwd1==pwd2): print("Correct") else: print("Wrong") ## call the function to get output

validate(password, repeat) Enter the Password:rev@123 Re-Enter the Password:rev@123 Correct

Problem 2: We are creating our own social network application and need to have a hashtag generator program. Complete the program to output the input text starting with the hashtag (#). Also, if the user entered several words, the program should delete the spaces between them.

CODE2: In [8]: s = input("Enter your message") def hashtagGen(text): #TO DO write your code here return f"#{text.replace(' ','')}" print(hashtagGen(s))

You are making a Celsius to Fahrenheit converter. Write a function to take the Celsius value as an argument and return the corresponding Fahrenheit value. Sample Input 36 Sample Output 96.8 CODE3:

Enter the temperature value in celsius:36

CODE4:

120 2184

Problem 5:

Sample Output: fall_distance(3)

44.145

Problem 6:

Sample Output:

def all name(**kwargs):

Nickname is Jojo Middle Name is Candle

##TO DO write your code here

CODE5:

In [12]: def multiply_all(*x):

for num in x:

return res

res=res*num

#TO DO write your code here

def conv(c):

Problem 4: Write a function that will take in an unknown number of arguments and multiply all of them together and run the function for these 2 sets of numbers: 1,2,3,4,5 12,13,14 Sample Output: 120 2184

print(multiply_all(1,2,3,4,5)) print(multiply_all(12,13,14)) calculates the distance an object falls based on time. The general formula for fall distance d based on fall time t can be modeled as:

Where g is the acceleration due to gravity. On earth the value of $g=9.81m/s^2$. But on the

Write python function to Callculate fall distance d, include the default value for earth's gravity and

write the function to print the items in the dictionary below

give programmers the option of specifying a different value for g if they choose

 $d = \frac{1}{2}gt^2$

First Name is John Last Name is Wick Nickname is Jojo Middle Name is Candle CODE6: In [16]: dict = {"First Name":"John", "Last Name":"Wick", "Nickname":"Jojo", "Middle Name":"Candle"}

dict = {"First Name":"John", "Last Name":"Wick","Nickname":"Jojo", "Middle Name":"Candle"}

sample Output Input 420 Your Output [2420, 2220, 3520, 4820, 1920] CODE7:

bonus = int(input("Enter the bonus amount:"))

Hint use the map() , Lambda function salaries=list(map(lambda x:x+bonus, salaries))

In [19]: salaries = [2000, 1800, 3100, 4400, 1500]

TO Do: write your code here

increase all the salaries by that amount. Output the resulting list.

print(salaries) Enter the bonus amount: 420 [2420, 2220, 3520, 4820, 1920]

"Problem 7: You work on a payroll program. Given a list of salaries, you need to take the bonus everybody is getting as input and

def summation(n):

Write a recursive function that will sum all numbers from 1 to n. n is the argument of the function.

print(summation(4))

def fall distance(t, g=9.82): #TO DO write your code here **return** 0.5*g*(t**2) print(fall distance(3,1.625)) 7.3125

to as per the Sample OutPut

moon, $g = 1.625 m/s^2$

for key, value in kwargs.items(): print(f"{key} is {value}") print(all name(**dict)) First Name is John Last Name is Wick

None

CODE8:

if n==1:

else:

return n

Problem 8:

Sample Input:

Sample Output:

##TO DO write your code here

return n+summation(n-1)

10

In [21]: