

	PAGE	
	Function to add two numbers?	=.
1.)	deb add (): - Function diclaration	
	a= 10 - logie Code block	
	b= 5	<u>—</u> :,
	c = a+b	—. —
	print (f" Swn iso: s. c.y.)	
	add 1) - Calling: the function.	
Q.)	Function to add square of a number	—.,
	till given value.	— —
		_
	dap min-san ():	11000
	j= Lucione 3 Las de 1911	_
	$\gamma = 3$	-
	Swm=0 While (i L=m):	-
		-
	Sum += 1 ** 2	-
	1+=1	- -
	print (fil total square Yalul 15: & Sumy 1)	
	my_squ()	-

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3.)	27 = 1234 Function to add digits:
31)	
-kendi	dof digit-add ():
A STATE OF THE STA	m = 1234
	Sum = 0
	while (n 70):
	digit=In-1:lollio
	Swn += digit
736)	m 11=10 th
~ ~	print (F" total Sum is: of Sum y")
	digit_add()
v	Dv 10
~ ~	Arguments and Parameters:
(-i	Parameters:
,	These are values which we
	pass when we create a function.
()	Arguments:
	These are values which we have
	When we call a punction
0-1.)	Program / Function of Addition.
11	Scanned with CamScanner

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	dof my add (a,b): # (a,b) are parameters.
	C= a+b print (" Sum is: " c') my add (12, 10) # (12, 10) ane arguments
0.2.)	Function to check even on odd?
	def even_or_odd(a):
	a = int (input ("Enter a Number: ")) il (a-1.2 = =0):
	print (M Even Number ")
4	erse: print (! Odd Number!)
	even_ox_odd()

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مىلىدىن مىلىدىسى	X	Lambda Junction :
سمديسد سمسماسيد	•	A Lambda function can take any number of arguments but can have only one enpression
		number of arguments our cons
سمىدىس سىي	zê p	have only one enployed
میر سمیرر سام		Syntan:
سمبیر مبیر		l'ambda agguments: enpression
سىمىد ئىسىملېر	1.)	En-T: 1000000000000000000000000000000000000
	1/"	X = Lambda a: a+5
—مرير —ممير		print (f" total is: &a(8).74")
		(" - tour to make the state of
مارید مارید مارید	2.)	1 X = Lambda a, b: a x b
		print (f" total is: & a(s, 3) y")
<i></i>	3.)	X = Lambda a, b, c: a+b+c
		print (f" Sum is; \$ x (3,3,4) y 4)

	CREADON TO TEST TO THE OF THE PARTY OF THE P
*	Arguments in functions:
į.)	* args (Non- Keyword Arguments):
	arguments to a function. It. Collects them into a tuple.
	def add-numbers (+ args):
,	print ("Sum is:", total)
100	add numbers (5, 10, 15)
ii.)	** Kwarzs (Keyword Arguments):
	** Kwary 3 allow us to pass multiple keyword arguments (marne-value pains).

It Collects them to a dictionary. det print details (* * Kwangs): for Key, value in Kwarys. items (): print (f" & Key 4: & Yalue 4") print dotails (name = "Amaan", age = 22) 3-111) Using * args. and ** Knowings together: Lunction but args must come béfore x Kwargs. dof display-info (+ args, ** Kwargs): privit (" Positional arguments: "arys) print (" keyword arguments: ", kwargs) display=info(1, &, 3, name = "Saurabh", age=25) Iddan is in it is in the county you light quant course of commercial knowned

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1x.)	Required arguments:
	Thison are arguments that must be
(Allen)	passed to a function otherwise, Pythan
	passed to a function otherwise Python throws an erosor, There is no
	défault value fon ruse arguments.
	det greet (name):
	print ("Hello", & name)
E. San	- Maritalian 1
	greet ("Amaan")
	and the section of many total and the second of the second
Y.)	Default arguments: (Optional)
	Mass and town a dolarest value
	assigned. If now values is brioxided.
	These arguments have a défault value assigned. If note values is provided, python uses the défault.
	dof great (name = "Guest.")
	print (f" Hellor & name y!).
	print (r rieuw o roome y
	quet O in lines of the land
	2010 8 2011
	1 (2 pm t) /min t? list
	1 = 1,001.

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3.)	
41.7	Return keyword!
	The Return Kayword Sends a Value
	back from a function: if return
	ment of the second of the second
	- (2000) 2000 (Mar)
	Camer & allow I have
	Duestions :-
1.)	Find the manimum number using
	Find the manimum number using # args 1-110
E state	det find man (*ange):
	· return mase (args)
	print (find man (2, 100; 5,010)
	output - 100 . 3 valled "1)
2.)	CalCulate broduct of Humbers
	def Product (* args):
	result = 1

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<i>b</i> -	for in any sil
	Seleves 1 th Area
	rusult x = i
	return result and added
40.5	
	print (product (2,3,4)).
	Carabal Ricard Di Sanati
	output - 24
3.)	Generate a full name using 47 k warze:-
	Bionesia a rea rema oscigio pionesia
	dof full-novne (* * Kwargs):
	* return ketward (Kurargs. get ('First-name', 'Unknown')}
<u> </u>	& Kwargs-getil lest-name, 'Mehtai) y"
- Page	
4.)	Count yordels in a Griven String Using
1/	return:
	def Count_ Novad (Staing):
	Yourds = 'agiou AETOU'
	101 s / (on the in the interest i
	return Sum (4 for ther in string in swels)

- Carlotte	
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5.)	Create a Shopping Cart using args and * Kwarys
,	det Shopping_Cart (* items, ** fries):
,	total = Sum (brices [items] for item in items)
,	items it item in paires)
,	return total
~	and the same of th
-	print (Shopping cart ("apple", "Manyo", apple = 30, # Manyo = 20)
,	1 Maryo = 20)
	and the second s
,	