

Date: / /20





	Name- Shantanu Deshpande		
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2#100	Ronno 70 mi control and Marke Juganes		
	Batch -S1		
	A CONTRACT OF THE PROPERTY OF		
	Practical No. 5		
0175	na promotivity on motors was hor and it promotive		
	Aim: Apply dictionary data type in python to create solution		
1	For Problem statement#5 with lists and Tuples.		
,	egyt you to od too		
	Objective: The objective of this lab work is:		
popul	1. Students will be able to use list and set data types		
a 4150P	2. Students will be able to apply dictionary.		
21 2000	3. Students will be to use dictionary data type and		
	its functions.		
	4. Students will be able to choose appropriate data		
	structure to come up with solution of given problem		
	Statement: 31818		
_			
9	Outcomes: After completing the lab work #5 students will		
A	be able to: middle to it is all the last of the		
	1. Use dictionary data type to come up with programm		
	-ing solution for given data in the programming		
	statement. De L'IASIONA CES		
	2. Apply basics list data type and its functions to		
	solve programming problems		
	Pre-Requisite:		
	1. List and type data type.		
	2. Dictionary data type		
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	Input-Output+
	1. Input will be as specified in problem statement #5.
	2. Output shall be as desired in problem statement #5.
	22- Mat 18
	Theory:
	A dictionary in python works similar to the
	dictionary in the real world. Keys of a dictionary must be
1/-/	unique and of immutable data types such as strings
	Integers and tuples, but the key values can be repeated
	and be of any type.
-	: 21 Arosa dal side 20 outhanido sati a svidosjdo .
913.1	Nested dictionary: Nesting dictionary means putting a
	dictionary inside another dictionary. Nesting is of greature
1.	as the kind of information we can model in programs is
1	enpanded greatly
14/	A way may p second of side and live shooting.
4/10-9	nested_dict= ('dict1': ('key_A': 'value-A')
	'dict2': { key_B': 'value_B'}
1	262
	A nested dictis a dictionary whichin a dictionary. A
100	very sample thing.
Sin	(1) = b < c < c
	>>> 9 [, picf1,] = []
	>>> d ['dict'] ['innerkey'] = 'value'
	>>> dentities painting pales.
	{'dict 1': l'innekey': 'value'}
	and all stopped box deid is

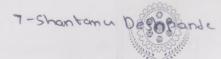
W DE	Date: 1 120 Agroup of Acidomic & Rossarch Institutions 7 - Shantanu Deshipande Quest for Excellence
	You can also use a default dict from the collections
	package to facilitate creating nested dictionaries
Marinar	(5) import collections
	>>>d = collections. default dict (dict)
	>>> & ['dict 1'] ['innerkey'] = 'value'
	>>> d # currently a default dict type
	default dict (<type 'dict'="">, { 'dict' : { 'innerkey : 'value' }})</type>
	>>> dict(d) # but is enactly like a normal dictionary.
-)	{'dict1': {'innerkey': 'value'}}
	23/927
	Source Code:
	leturent and solget skitum and execut to
	def rainaverage (1):
	data-dict={}
Mouth	court = {} out = {} o
	fortup in l
	if tup [o] in data-dict:
	data -dict [tup[0]] append (tup[1])
-) gain	part of stomelse: moitorage partinglisq
	data - dict (tup co)] = [tup(1)]
	- mowelsh
	for c ign data-dict:
	ar = sym(data -dict(c)) len (data-dict(c])
1 63	out. append (tuple [c,"1.26" y. ar])
	1011 5012 01
9.1	return out
2601	Jan 13- Wild your short on co-+ 12rd
	print (sorted (rainaverage ([('Bombay', 848), ('Madras', 103)
	('Bombay', 92), ('Banglore', 201), ('madras')
	(28)]))

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	Output:							
-	100	1.7/	Selen gailasis syin	Winds of Braying				
	[('Banglore', '201.00'), ('Bonnbay', '885.50'), ('Madaras',							
	"115.50) Jan Just of Just of Just of Land of Land							
			" who " at you see	17 1.1 43167 6 CCC				
	F	Assessment questions +						
ST Walter		V.	Least 1 : 17 18 7 18 4 4076 2					
1.		com	pare lists and tuples					
Sant								
			List	Tuples	_			
				4 Stas Barried				
		1.	Lists are mutable.	Tuples are immutable.				
				To empression 256				
		2.	Implicationof	The implication of				
-			iterations is Time-	iterations is comparatively				
			consuming.	Faster	_			
			: Jack-otob di	10701 37 ·				
11130		3.	The list is better for	Tuple data typeis				
			performing operations	appropriate for accessing)-			
		10	such as insertion and	the elements.				
			deletion.		_			
			4 2/31/62	and acid and				
507202		4.	Lists consume more	Tuple consume less	1			
(1)	1		memory.	memory as compared	_			
				to the list.				
		5	. Lists have several	Tuple does not have				
			built-in methods.	many built-in methods				
001 1000		11	(significano 2) 3) segrito	wine) bayers) fried				
Land - No		1	1.0.1. (-0.					