Your Name:			Tutorial Group: MA	
Ans	wer all question	Quiz 2, Semester 1 Week 9 ons. Write yours answers in the spaces provide ated in the questions.	ed.	
1.	Built-in data types in Python include float, int, string, list, tuple and dictionary. They are either mutable or immutable, iterable or not iterable. Place them correctly in the table below. (10 marks)			
		Iterable	Not iterable	
	Mutable			
	Immutable			
2.	•	ed by the statement below: [N%2==0 for N in range(5, 12) i	(10 marks) f N%3!=0])	
3.	L = [(1 V = 0 for a i for	alue of V upon execution of the code below: 1., 2), (3, 4, 5), (6, 7, 8, 9)] 2. L[0]: 2. b in L[2]: 3. += a+b	(10 marks)	
4.		ionary = {1:"apple", 2:"orange", 3:"borogram to print all the fruits using the key.	anana", 4:"cherry"} (10 marks)	
5.	i. What is the	e purpose of a return statement in a function?	(5 marks)	
		pe multiple return statements in a function? If turn statements appear in a function.	so, give an example of a situation when (5 marks)	

6.	An error exists in the code below. Correct it, and state what is printed by the print statement at the end, based on your correction. (10 marks			
	L = [1, 2, ["3", 4]] L1 = L[1] + L[2] print(L1[-2])			
7.	Given the function			
	<pre>def item_in_list(List, item = 0): return List[item]</pre>			
	What do the follow lines of code print? (5 marks each			
	<pre>print(item_in_list("List item", -1))</pre>			
	<pre>print(item_in_list(123))</pre>			
8.	A dictionary called <code>monthly_rain</code> is used to record the rainfall in the months in a year, with the month as the key and the rainfall in mm as the value. If the record is up to a part of March so far, the dictionary may look like this: <code>monthly_rain = {"Jan":164.6, "Feb": 132.0, "Mar": 28.7}</code>			
	A function <code>add_rainfall</code> has three parameters, the dictionary (<code>monthly_rain</code>), the month (<code>month</code>) and a float (<code>rainfall</code>) for the additional rainfall for the month in mm. The function adds the rainfall to the existing value if the month already exists in the dictionary, otherwise a new key-value pair is created, with the month as the key and the rainfall as the value. This is performed in the Python code below. Fill in the blanks to complete the function. (15 marks) <code>def add_rainfall(monthly_rain, month, rainfall): </code>			
	else:			
9.	The program below defines a function to find the sum of the numbers in the range 1 to num, inclusive. The function is then called in the next statement, and the result printed. But the program contains errors. Rewrite the program correctly. def sum_range(num) for a in range(1, num) sum =+ a return sum			
	total = sum_range(6.0) print(total)			