Academic Year 2019-2020

Assignment 2

Course Name: Open Source Technology Lab (OSTL)		
Class: SE	Div: A and B	Sem: IV

Q.No.	Question
1	A Python program to create a dictionary with employee details and retrieve the values upon giving the keys (using the get method).
2	A Python program to convert the elements of two lists into key-value pairs of a dictionary.
4	A Python program to create a dictionary that does not change the order of elements.
5	A Python program to sort the elements of a dictionary based on a key or value
6	A Python program to find maximum and minimum elements in a list of elements.
7	A Python program to sort the list elements using bubble sort technique.
8	A Python program to know how many times an element occurred in the list.
9	A Python program to accept elements in the form of a tuple and display their sum and average.
10	A Python program to find the first occurrence of an element in a tuple.
11	a). A Python program to modify or replace an existing element of a tuple with a new element. b). A Python program to delete an element from a particular position in the tuple.
12	a). A Python program to display all positions of a sub string in a given main string. b). A Python program to sort a group of strings into alphabetical order.
13	a). A Python program to storing student's marks into an array and finding total marks and percentage of marks b). A Python program to sort the array elements using bubble sort technique.
14	A Python program to perform some mathematical operations on a numpy array (addition, subtraction, multiplication).
15	a). A Python program to create Student class with a constructor having more than one parameter. b). A Python program to create a static method that calculates the square root value of a given number.

16	a). A Python program to prove that only one class constructor is available to sub class in multiple inheritance
	b). A Python program to access all the instances variables of both the base classes in multiple inheritance

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