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Question 1

Correct

Marked out of 1.00

Write a python code for Performing below Operations:

1. Create a List : Fruits = ["Apple","Banana","Mango","Orange","Pineapple","Kiwi","Papaya","Watermelon"], and display the same.
2. Add an fruit at 5th position to the list : "Avocado"
3. slice the list from item 2 to 4 and display item at [-2]
4. Create two sets and display set Union and set Difference.
5. Create a Tuple and display item from 2 to 5.
6. Create a Dictionary and display a. Item Keys b. Item Values . Modify anyone Value, given a key

Answer: (penalty regime: 0 %)

```

1 Dictionary=List=Tuple=""
2 dic={'Python':'x','IoT':'y','DM':'z'}
3 print(dic)
4 print(dic['Python'])
5 dic['python']='a'
6 print(dic)
7 for i in dic:
8     print(i,dic[i])
9 lis=['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Kiwi', 'Papaya', 'Watermelon']
10 print(lis)
11 lis1=['carrot', 'beetroot', 'tomato', 'banana']
12 print(lis1)
13 tup=('almond', 'cashew', 'raisin', 'walnut', 'pistachio', 'dates')
14 print(tup)
15 lis[5]='Avocado'
16 print(lis)
17 print(lis[2:4])
18 print(lis[0:4])
19 print(lis+lis1)
20 print(tup[2:5])

```

CHECK

	Test	Expected	Got	
✓	Dictionary, List, Tuple	{'Python': 'x', 'IoT': 'y', 'DM': 'z'} x {'Python': 'x', 'IoT': 'y', 'DM': 'z', 'python': 'a'} Python x IoT y DM z python a ['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Kiwi', 'Papaya', 'Watermelon'] ['carrot', 'beetroot', 'tomato', 'banana'] ('almond', 'cashew', 'raisin', 'walnut', 'pistachio', 'dates') ['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Avocado', 'Papaya', 'Watermelon'] ['Mango', 'Orange'] ['Apple', 'Banana', 'Mango', 'Orange'] ['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Avocado', 'Papaya', 'Watermelon', 'carrot', 'beetroot', 'tomato', 'banana'] ('raisin', 'walnut', 'pistachio')	{'Python': 'x', 'IoT': 'y', 'DM': 'z'} x {'Python': 'x', 'IoT': 'y', 'DM': 'z', 'python': 'a'} Python x IoT y DM z python a ['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Kiwi', 'Papaya', 'Watermelon'] ['carrot', 'beetroot', 'tomato', 'banana'] ('almond', 'cashew', 'raisin', 'walnut', 'pistachio', 'dates') ['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Avocado', 'Papaya', 'Watermelon'] ['Mango', 'Orange'] ['Apple', 'Banana', 'Mango', 'Orange'] ['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Avocado', 'Papaya', 'Watermelon', 'carrot', 'beetroot', 'tomato', 'banana'] ('raisin', 'walnut', 'pistachio')	✓

Passed all tests! ✓

Question 2

Correct

Marked out of 1.00

Write python code to , find the second highest value from the given input list.**Input: [6, 5, 2, 1, 6, 4]****Output: 5****Answer:** (penalty regime: 0 %)

```

1 import sys
2 Case1, Case2, Case3 = 0, 0, 0
3
4 a = sys.stdin.readline()
5 n = int(a)
6 arr = []
7
8 for i in range(n):
9     b = sys.stdin.readline()
10    c = int(b)
11    arr.append(c)
12
13 arr.sort()
14
15 print("Second highest element in list is :",arr[-2])



```

CHECK

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(DEEMED TO BE UNIVERSITY)

cted

Got

✓	Case1	7 12 45 58 98 100 45 10	Second highest element in list is : 98 Sathyabama Learning Management System ~ Developed by Cognibot	Second highest element in list is : 98	✓
✓	Case2	7 10 15 20 25 10 15 30	Second highest element in list is : 25 INFO Facebook Twitter Instagram YouTube	Second highest element in list is : 25	✓
✓	Case3	7 12 18 5 68 45 12 45	Second highest element in list is : 45 Sathyabama Staff Forum Course Material GET SOCIAL  	Second highest element in list is : 45	✓

Passed all tests! ✓

◀ 21.01.2022 Practice Lab Ex.Pandas Pre-Processing functions

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