Started on	Tuesday, 30 April 2024, 2:17 PM
State	Finished
Completed on	Tuesday, 30 April 2024, 2:33 PM
Time taken	15 mins 17 secs
Marks	5.00/5.00
Grade	**50.00** out of 50.00 (**100**%)
Name	SHEEBA SHARON A 2022-CSD-A

Question **1**

Correct

Mark 1.00 out of 1.00

Write a python program to count the no. of Occurrence of an item in the tuple and print the list of items and no. of Occurrence more than one time in sorted order.

Input formate:

10 numbers in 10 lines

Sample Input:

50

70

40

60

70

50

80

60

20

60

Sample Output:

50:2

60:3

70:2

Answer: (penalty regime: 0 %)

```
def count_occurrences(nums):
    count_dict = {}
    for num in nums:
        count_dict[num] = count_dict.get(num, 0) + 1

    result = [(item, count) for item, count in count_dict.items() if count > 1]
    result.sort()  # Sorting the result based on item

    for item, count in result:
        print("{}:{}".format(item, count))
nums = []
for _ in range(10):
    nums.append(int(input().strip()))
count_occurrences(nums)

```

	Input	Expected	Got	
✔	50 70 40 60 70 50 80 60 20 60	50:2 60:3 70:2	50:2 60:3 70:2	✔
✔	40 50 30 60 30 20 40 10 30 10	10:2 30:3 40:2	10:2 30:3 40:2	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **2**

Correct

Mark 1.00 out of 1.00

Create different types of tuples as per below-mentioned values and print the same.

()
(4, 5, 8)
(1, 'ECE', 'MCT', 'R&A', 3.4)
('Python', [8, 4, 6], (1, 2, 3))

Answer: (penalty regime: 0 %)

```
tuple_1 = ()
print(tuple_1)

tuple_2 = (4, 5, 6)
print(tuple_2)

tuple_3 = (1, 'ECE', 'MCT', 'R&A', 3.4)
print(tuple_3)

tuple_4 = ('Python', [8, 4, 6], (1, 2, 3))
print( tuple_4)

```

	Expected	Got	
✔	() (4, 5, 6) (1, 'ECE', 'MCT', 'R&A', 3.4) ('Python', [8, 4, 6], (1, 2, 3))	() (4, 5, 6) (1, 'ECE', 'MCT', 'R&A', 3.4) ('Python', [8, 4, 6], (1, 2, 3))	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **3**

Correct

Mark 1.00 out of 1.00

Create a tuple:

my_tuple = ('R','a','j','a','l','a','k','s','h','m','i')

and apply slicing and display the output as shown below:

('R', 'a', 'j', 'a')
('l', 'a', 'k', 's', 'h', 'm', 'i')
('R', 'a', 'j')
('l', 'a', 'k')
('m', 'i')

Answer: (penalty regime: 0 %)

```
my_tuple = ('R', 'a', 'j', 'a', 'l', 'a', 'k', 's', 'h', 'm', 'i')
print(my_tuple[:4])  # ('R', 'a', 'j', 'a')
print(my_tuple[4:])  # ('l', 'a', 'k', 's', 'h', 'm', 'i')
print(my_tuple[:3])  # ('R', 'a', 'j')
print(my_tuple[4:7])  # ('l', 'a', 'k')
print(my_tuple[9:])  # ('m', 'i')

```

	Expected	Got	
✔	('R', 'a', 'j', 'a') ('l', 'a', 'k', 's', 'h', 'm', 'i') ('R', 'a', 'j') ('l', 'a', 'k') ('m', 'i')	('R', 'a', 'j', 'a') ('l', 'a', 'k', 's', 'h', 'm', 'i') ('R', 'a', 'j') ('l', 'a', 'k') ('m', 'i')	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **4**

Correct

Mark 1.00 out of 1.00

Write a Python program to check whether an element exists within a tuple.

sample input:

3 : no of elements

REC

RIT

RSB

REC: ELEMENT TO CHECK

SAMPLE OUTPUT:

True

Answer: (penalty regime: 0 %)

```
n = int(input())
elements = tuple(input().strip() for _ in range(n))
element_to_check = input().strip()
if element_to_check in elements:
    print("True")
else:
    print("False")

```

	Input	Expected	Got	
✔	3 REC RIT RSB REC	True	True	✔
✔	2 vijay kumar rec	False	False	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **5**

Correct

Mark 1.00 out of 1.00

Rahul went to a supermarket to buy some product, he has purchased the products and about to pay the bill, where the items he purchased is been stored in a nested tuples in the following order ((item_name,item_cost,no_of_item)), consider raju has purchased 5 items, calculate the total cost for the items he purchased.

sample input:

bread

45

5

milk

40

2

cheese

60

2

butter

90

2

jam

60

2

sample output: 725

Answer: (penalty regime: 0 %)

```
total_cost = 0
while True:
    try:
        item_name = input().strip()
        if not item_name:
            break
        item_cost = int(input().strip())
        no_of_item = int(input().strip())
        total_cost += item_cost * no_of_item
    except EOFError:
        break
print(total_cost)
```

	Input	Expected	Got	
✔	bread 45 5 milk 40 2 cheese 60 2 butter 90 2 jam 60 2	725	725	✔
✔	noodles 55 5 egg 10 10 ketchup 80 2 cooldrinks 100 2 fruit 160 2	1055	1055	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

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