Started on	Sunday, 5 May 2024, 5:55 PM
State	Finished
Completed on	Sunday, 5 May 2024, 6:17 PM
Time taken	22 mins 41 secs
Marks	5.00/5.00
Grade	**50.00** out of 50.00 (**100**%)
Name	ADHITHYA PG 2022-CSD-A

Question **1**

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 %)

```
t1=()
print(t1)
t2=(4, 5, 6)
print(t2)
t3=(1, 'ECE', 'MCT', 'R&A',  3.4)
print(t3)
t4=('Python', [8, 4, 6], (1, 2, 3))
print(t4)
```

	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 **2**

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 %)

```
size = 5
list = []
sum = 0
for i in range(size*3):
    list.append(input())

adder = 3
count = 0
items_count = 0
for i in range(size):
    count += adder
    items_count = ((int)(list[count-2]))
    sum += ((items_count)*((int)(list[count-1])))

print(sum)
```

	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.

Question **3**

Correct

Mark 1.00 out of 1.00

A customer wants to buy a mobile phone in a online mart, the customer finds different prices from different seller, the item price is been stored in a nested tuples in the following order ((seller_name_name,item-name,item_cost)), consider the tuple has 5 seller, write a program to help the customer to view in the order of lowest price of item first and so on.

sample input:

seller_1

samsung

45000.00

seller_2

samsung

45500.00

seller_3

samsung

44700.00

seller_4

samsung

43900.00

seller_5

samsung

44100.00

sample output:

(("seller_4","samsung","43900.00"),("seller_5","samsung","44100.00"),("seller_3","samsung","44700.00"), ("seller_1","samsung","45000.00"),("seller_2","samsung","45500.00"))

Answer: (penalty regime: 0 %)

```
def take_input():
    seller_name = input().strip()
    item_name = input().strip()
    item_cost = float(input().strip())
    return (seller_name, item_name, item_cost)
item_prices = []
for i in range(5):  # Assuming there are 5 sellers
    item_prices.append(take_input())
sorted_prices = sorted(item_prices, key=lambda x: x[2])
formatted_output = []
for price in sorted_prices:
    formatted_output.append((price[0], price[1], "{:.2f}".format(price[
print(tuple(formatted_output))
```

	Input	Expected	Got	
✔	seller_1 samsung 45000.00 seller_2 samsung 45500.00 seller_3 samsung 44700.00 seller_4 samsung 43900.00 seller_5 samsung 44100.00	(('seller_4', 'samsung', '43900.00'), ('seller_5', 'samsung', '44100.00'), ('seller_3', 'samsung', '44700.00'), ('seller_1', 'samsung', '45000.00'), ('seller_2', 'samsung', '45500.00'))	(('seller_4', 'samsung', '43900.00'), ('seller_5', 'samsung', '44100.00'), ('seller_3', 'samsung', '44700.00'), ('seller_1', 'samsung', '45000.00'), ('seller_2', 'samsung', '45500.00'))	✔

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 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 %)

```
from collections import Counter
data = []
for i in range(10):
  num = int(input())
  data.append(num)
data = tuple(data)
result = Counter(data)
filtered_result = {key: value for key, value in result.items() if value
printed_elements = {}
def print_sorted_results(filtered_result, printed_elements):
  """Prints the filtered results in ascending order, avoiding duplicates
  sorted_keys = sorted(filtered_result.keys())
  for key in sorted_keys:
    if key not in printed_elements:
      count = filtered_result[key]
      print(str(key) + ":" + str(count))
      printed_elements[key] = count
print_sorted_results(filtered_result, printed_elements)


```

	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 **5**

Correct

Mark 1.00 out of 1.00

Write a program to read a string and a character and find the whether the character is available in the string or not. Print True if the character is present in the string, False otherwise.

Sample Input

Rakalakshmi

a

Sample Output

True

Sample Input

Rakalakshmi

b

Sample Output

False

Answer: (penalty regime: 0 %)

```
s1 = input()
s2 = input()

if s2 in s1:
    print("True")
else:
    print("False")
```

	Input	Expected	Got	
✔	Rajalakshmi a	True	True	✔
✔	Rajalakshmi b	False	False	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

◄ Week-08_MCQ

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