Started on	Friday, 3 May 2024, 12:14 PM
State	Finished
Completed on	Sunday, 5 May 2024, 9:10 PM
Time taken	2 days 8 hours
Marks	5.00/5.00
Grade	**50.00** out of 50.00 (**100**%)
Name	THEJESH N S 2022-CSD-A

Question **1**

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')

# Slicing and displaying outputs
print(my_tuple[:4])
print(my_tuple[4:11])
print(my_tuple[:3])
print(my_tuple[4:7])
print(my_tuple[-2:])

```

	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 **2**

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 = []


for _ in range(n):
    element = input()
    elements.append(element)

my_tuple = tuple(elements)


element_to_check = input()


if element_to_check in my_tuple:
    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 **3**

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 %)

```
a=input()
b=input()
if b in a:
    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.

Question **4**

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 %)

```
def calculate_total_cost(items):
    total = 0
    total_cost=0
    for item in items:
        item_name, item_cost, no_of_item = item
        total_cost+=item_cost*no_of_item

    return total_cost

# Take user input for items
items = []
for i in range(5):
    item_name = input()
    item_cost = int(input())
    no_of_item = int(input())
    items.append((item_name, item_cost, no_of_item))

# Calculate total cost
total_cost = calculate_total_cost(items)
print(total_cost)

```

	Input	Expected	Got	

	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 **5**

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 %)

```
# Input
numbers = []
for _ in range(10):
    numbers.append(int(input()))

# Count occurrences
occurrences = {}
for number in numbers:
    if number in occurrences:
        occurrences[number] += 1
    else:
        occurrences[number] = 1

# Print items with occurrences more than one
for item, count in sorted(occurrences.items()):
    if count > 1:
        print("{}:{}".format(item, count))

```

	Input	Expected	Got	

	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.

◄ Week-08_MCQ

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Week-09_MCQ ►