Started on	Tuesday, 30 April 2024, 12:22 PM
State	Finished
Completed on	Tuesday, 30 April 2024, 12:44 PM
Time taken	21 mins 28 secs
Marks	5.00/5.00
Grade	**50.00** out of 50.00 (**100**%)
Name	AVULA SNEYA DRITI 2022-CSD-A

Question **1**

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 %)

Ace editor not ready. Perhaps reload page?
Falling back to raw text area.

```
def check_element_in_tuple(element, tuple_elements):
    return element in tuple_elements
n = int(input(""))
tuple_elements = tuple(input("".format(i+1)) for i in range(n))
element_to_check = input("")
result = check_element_in_tuple(element_to_check, tuple_elements)
print(result)
```

	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 **2**

Correct

Mark 1.00 out of 1.00

Write a python program to find the the total and average of the students mark. print the total and average of each student as tuple.

Input: first line no.of student, next n * 4 line student marks(four lines for each tuple)

3

20

30

35

45

30

54

60

45

50

60

70

75

Output:

Total : (130,189,255)

Average : (32.50,47.25,63.75)

For example:

Input	Result
3 20 30 35 45 30 54 60 45 50 60 70 75	Total : (130, 189, 255) Average : (32.5, 47.25, 63.75)

Answer: (penalty regime: 0 %)

Ace editor not ready. Perhaps reload page?
Falling back to raw text area.

```
def calculate_total_average(marks):
    total = sum(marks)
    average = total / len(marks)
    return total, average

def main():
    n = int(input(""))
    student_marks = []

    for _ in range(n):
        marks = []
        for _ in range(4):
            marks.append(int(input()))
        student_marks.append(marks)

    totals = []
    averages = []
```

	Input	Expected	Got	
✔	3 20 30 35 45 30 54 60 45 50 60 70 75	Total : (130, 189, 255) Average : (32.5, 47.25, 63.75)	Total : (130, 189, 255) Average : (32.5, 47.25, 63.75)	✔
✔	2 30 20 25 10 25 10 15 50	Total : (85, 100) Average : (21.25, 25.0)	Total : (85, 100) Average : (21.25, 25.0)	✔
✔	3 54 65 85 20 20 38 46 78 56 42 36 18	Total : (224, 182, 152) Average : (56.0, 45.5, 38.0)	Total : (224, 182, 152) Average : (56.0, 45.5, 38.0)	✔

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 unpack the following tuple into variables depends on the length of tuple (Max length = 10) and display each values separately.

Sample Input:

4

10

30

40

60

Sample Output:

a=10

b=30

c=40

d=60

Answer: (penalty regime: 0 %)

Ace editor not ready. Perhaps reload page?
Falling back to raw text area.

```
def unpack_tuple(values):
    variable_names = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j']
    for i in range(len(values)):
        print(variable_names[i] + '=' + str(values[i]))
tuple_length = int(input(""))
values = []
for i in range(tuple_length):
    value = int(input(""))
    values.append(value)

unpack_tuple(values)
```

	Input	Expected	Got	
✔	4 10 30 40 60	a=10 b=30 c=40 d=60	a=10 b=30 c=40 d=60	✔

	Input	Expected	Got	
✔	9 15 60 75 85 90 70 35 25 45	a=15 b=60 c=75 d=85 e=90 f=70 g=35 h=25 i=45	a=15 b=60 c=75 d=85 e=90 f=70 g=35 h=25 i=45	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **4**

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 %)

Ace editor not ready. Perhaps reload page?
Falling back to raw text area.

```
data = [
    ("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')
]

sorted_data = sorted(data, key=lambda x: x[2])
print(tuple(sorted_data))
```

	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 **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 %)

Ace editor not ready. Perhaps reload page?
Falling back to raw text area.

```
def character_in_string(input_string, character):
    return character in input_string

input_string = input("")
character = input("")

result = character_in_string(input_string, character)
print(result)
```

	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

Jump to...

Week-09_MCQ ►