Started on	Friday, 17 May 2024, 12:30 PM
State	Finished
Completed on	Friday, 17 May 2024, 12:55 PM
Time taken	24 mins 53 secs
Marks	5.00/5.00
Grade	**50.00** out of 50.00 (**100**%)
Name	NAVEEN RAJ B 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 %)

```
n=int(input())
t=()
for i in range(n):
    t=t+((input()),)
e=input()

if e in t:
    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 **2**

Correct

Mark 1.00 out of 1.00

Create a tuple t1 with numbers 1 to 5, t2 with 6 to 10 and t3 with a string "REC".

Concatenate t1 and t2 and print the result.

Repeat the t3 10 times without using any looping statements.

Expected output:

(1, 2, 3, 4, 5, 6, 7, 8, 9, 10)
('REC', 'REC', 'REC', 'REC', 'REC', 'REC', 'REC', 'REC', 'REC', 'REC')

Answer: (penalty regime: 0 %)

```
# Create tuples
t1 = tuple(range(1, 6))
t2 = tuple(range(6, 11))
t3 = ("REC",)

# Concatenate t1 and t2
concatenated_tuple = t1 + t2
print(concatenated_tuple)

# Repeat t3 without using loops
repeated_tuple = t3 * 10
print(repeated_tuple)
```

	Expected	Got	
✔	(1, 2, 3, 4, 5, 6, 7, 8, 9, 10) ('REC', 'REC', 'REC', 'REC', 'REC', 'REC', 'REC', 'REC', 'REC', 'REC')	(1, 2, 3, 4, 5, 6, 7, 8, 9, 10) ('REC', 'REC', 'REC', 'REC', 'REC', 'REC', 'REC', 'REC', 'REC', 'REC')	✔

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 %)

```
sellers=[]
for _ in range(5):
    seller_name=input()
    item_name=input()
    item_cost=float(input())
    sellers.append((seller_name,item_name,"{:.2f}".format(item_cost)))
sorted_sellers=sorted(sellers,key=lambda x: x[2])
print(tuple(sorted_sellers))
```

	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 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 %)

```
def unpack_tuple(values):
    variables = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j']
    for i in range(len(values)):
        print(variables[i] + '=' + str(values[i]))

def main():
    length = int(input())
    if length > 10:
        return

    tuple_values = []
    for i in range(length):
        value = input()
        tuple_values.append(value)

    unpack_tuple(tuple_values)

if __name__ == "__main__":
    main()
```

	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 **5**

Correct

Mark 1.00 out of 1.00

Write a python program to read a string and a character, print the number of occurrence of the character in the string and the location of the first occurrence.

Note: To convert an input string to tuple use tuple(variablename).

Sample Input

Apple

p

Sample Output

2

1

Answer: (penalty regime: 0 %)

```
a = input()
b = input()
print(a.count(b))
print(a.find(b))
```

	Input	Expected	Got	
✔	Apple p	2 1	2 1	✔
✔	Rajalakshmi a	3 1	3 1	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

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