

Started on Friday, 3 May 2024, 1:04 PM

State Finished

Completed on Monday, 20 May 2024, 9:52 AM

Time taken 16 days 20 hours

Marks 5.00/5.00

Grade **50.00** out of 50.00 (**100%**)

Name [DWIJESH SREERAM S 2022-CSD-A](#)



Question 1

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 %)

```
1 t1 = (1, 2, 3, 4, 5)
2 t2 = (6, 7, 8, 9, 10)
3 t3 = ("REC",)
4 result = t1 + t2
5 print(result)
6 result = t3 * 10
7 print(result)
```

	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 2

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 %)

```

1 my_tuple = ('R','a','j','a','l','a','k','s','h','m','i')
2
3 # Slicing to get ('R', 'a', 'j', 'a')
4 slice1 = my_tuple[:4]
5 print(slice1)
6
7 # Slicing to get ('l', 'a', 'k', 's', 'h', 'm', 'i')
8 slice2 = my_tuple[4:]
9 print(slice2)
10
11 # Slicing to get ('R', 'a', 'j')
12 slice3 = my_tuple[:3]
13 print(slice3)
14
15 # Slicing to get ('l', 'a', 'k')
16 slice4 = my_tuple[4:7]
17 print(slice4)
18
19 # Slicing to get ('m', 'i')
20 slice5 = my_tuple[-2:]
21 print(slice5)
22

```

	Expected	Got	
✓	<pre> ('R', 'a', 'j', 'a') ('l', 'a', 'k', 's', 'h', 'm', 'i') ('R', 'a', 'j') ('l', 'a', 'k') ('m', 'i') </pre>	<pre> ('R', 'a', 'j', 'a') ('l', 'a', 'k', 's', 'h', 'm', 'i') ('R', 'a', 'j') ('l', 'a', 'k') ('m', 'i') </pre>	✓

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, remove an item from the tuple, and display the tuple.

Sample input:

5 : No of items

2020 : tuple items

'd'

"rec"

'python'

'tuple'

python : item to be removed

Sample Output:

('2020','d','rec','tuple')

For example:

Input	Result
4 samsung vivo redmi Vijay Vijay	('samsung', 'vivo', 'redmi')

Answer: (penalty regime: 0 %)

```
1 # Sample input
2 n = int(input())
3 items = []
4 for _ in range(n):
5     items.append(input())
6
7 item_to_remove = input()
8
9 # Convert list to tuple
10 my_tuple = tuple(items)
11
12 # Remove the item from the tuple
13 if item_to_remove in my_tuple:
14     my_tuple = tuple(filter(lambda x: x != item_to_remove, my_tuple))
15
16 # Display the modified tuple
17 print(my_tuple)
18
```



	Input	Expected	Got	
✓	4 samsung vivo redmi Vijay Vijay	('samsung', 'vivo', 'redmi')	('samsung', 'vivo', 'redmi')	✓

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 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 %)

```
1 |
2 | string = input()
3 | char = input()
4 | is_present = char in string
5 | print(is_present)
```

	Input	Expected	Got	
✓	Rajalakshmi a	True	True	✓
✓	Rajalakshmi b	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 %)

```
1 # Initialize an empty list to store the items
2 items = []
3
4 # Get the input for 5 items
5 for _ in range(5):
6     item_name = input()
7     item_cost = int(input())
8     no_of_item = int(input())
9     items.append((item_name, item_cost, no_of_item))
10
11 # Calculate the total cost
12 total_cost = 0
13 for item in items:
14     total_cost += item[1] * item[2]
15
16 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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