



SCSA2601-Machine Learning and Data Analytics Lab

Dashboard / My courses / ML and DA / VIRTUAL PROGRAMMING CSE C1& D1 / 25.01.2022_Practice Exercise_Python Dats Structures

Started on Tuesday, 25 January 2022, 2:09 PM
State Finished
Completed on Tuesday, 25 January 2022, 2:34 PM
Time taken 25 mins 23 secs
Marks 2.00/2.00
Grade 10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Write a python code for Performing below Operations:

1. Create a List : Fruits = ["Apple","Banana","Mango","Orange","Pineapple","Kiwi","Papaya","Watermelon"], and display the same.
2. Add an fruit at 5th position to the list : "Avocado"
3. slice the list from item 2 to 4 and display item at [-2]
4. Create two sets and display set Union and set Difference.
5. Create a Tuple and display item from 2 to 5.
6. Create a Dictionary and display a. Item Keys b. Item Values . Modify anyone Value, given a key

Quiz navigation



Finish review



Mark 1.00 out of 1.00

🚩 Flag question

2. Add an fruit at 5th position to the list : "Avocado"
3. slice the list from item 2 to 4 and display item at [-2]
4. Create two sets and display set Union and set Difference.
5. Create a Tuple and display item from 2 to 5.
6. Create a Dictionary and display a. Item Keys b. Item Values . Modify anyone Value, given a key

Answer: (penalty regime: 0 %)

```
1 Dictionary = {}
2 List = []
3 Tuple = ()
4
5 #Dictionary
6 dict = {'Python': 'x', 'IoT': 'y', 'DM': 'z'}
7 print(dict)
8 print(dict['Python'])
9 dict['python'] = 'a'
10 print(dict)
11 for i in dict:
12     print(i, dict[i])
13
14 # List
15 Fruits = ["Apple", "Banana", "Mango", "Orange", "Pineapple", "Kiwi", "Papaya", "Watermelon"]
16 print(Fruits)
17 Veg = ['carrot', 'beetroot', 'tomato', 'banana']
18 print(Veg)
19
20 # Tuple
21 Tup = ('almond', 'cashew', 'raisin', 'walnut', 'pistachio', 'dates')
22 print(Tup)
--
```



Mark 1.00 out of 1.00

🚩 Flag question

2. Add an fruit at 5th position to the list : "Avocado"
3. slice the list from item 2 to 4 and display item at [-2]
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Answer: (penalty regime: 0 %)

```
12     print(i, dict[i])
13
14 # List
15 Fruits = ["Apple", "Banana", "Mango", "Orange", "Pineapple", "Kiwi", "Papaya", "Watermelon"]
16 print(Fruits)
17 Veg = ['carrot', 'beetroot', 'tomato', 'banana']
18 print(Veg)
19
20 # Tuple
21 Tup = ('almond', 'cashew', 'raisin', 'walnut', 'pistachio', 'dates')
22 print(Tup)
23
24 Fruits[5] = 'Avocado'
25 print(Fruits)
26
27 print(Fruits[2:4])
28 print(Fruits[0:4])
29
30 list = Fruits + Veg
31 print(list)
32
33 print(Tup[2:5])
```





```
26
27 print(Fruits[2:4])
28 print(Fruits[0:4])
29
30 list = Fruits + Veg
31 print(list)
32
33 print(Tup[2:5])
```

Test	Expected
✓ Dictionary, List, Tuple	{'Python': 'x', 'IoT': 'y', 'DM': 'z'} x {'Python': 'x', 'IoT': 'y', 'DM': 'z', 'python': 'a'} Python x IoT y DM z python a ['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Kiwi', 'Papaya', 'Watermelon'] ['carrot', 'beetroot', 'tomato', 'banana'] ('almond', 'cashew', 'raisin', 'walnut', 'pistachio', 'dates') ['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Avocado', 'Papaya', 'Watermelon'] ['Mango', 'Orange'] ['Apple', 'Banana', 'Mango', 'Orange'] ['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Avocado', 'Papaya', 'Watermelon', 'carrot'] ('raisin', 'walnut', 'pistachio')

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.



```
26
27 print(Fruits[2:4])
28 print(Fruits[0:4])
29
30 list = Fruits + Veg
31 print(list)
32
33 print(Tup[2:5])
```

ected

```
thon': 'x', 'IoT': 'y', 'DM': 'z'}
```

```
thon': 'x', 'IoT': 'y', 'DM': 'z', 'python': 'a'}
```

```
on x
```

```
y
```

```
on a
```

```
ple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Kiwi', 'Papaya', 'Watermelon']
```

```
rrot', 'beetroot', 'tomato', 'banana']
```

```
mond', 'cashew', 'raisin', 'walnut', 'pistachio', 'dates')
```

```
ple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Avocado', 'Papaya', 'Watermelon']
```

```
ngo', 'Orange']
```

```
ple', 'Banana', 'Mango', 'Orange']
```

```
ple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Avocado', 'Papaya', 'Watermelon', 'carrot', 'beetroot', 'tomato', 'banana']
```

```
isin', 'walnut', 'pistachio')
```

Correct

Marks for this submission: 1.00/1.00.



```
26
27 print(Fruits[2:4])
28 print(Fruits[0:4])
29
30 list = Fruits + Veg
31 print(list)
32
33 print(Tup[2:5])
```

Got

```
{'Python': 'x', 'IoT': 'y', 'DM': 'z'}
x
{'Python': 'x', 'IoT': 'y', 'DM': 'z', 'python': 'a'}
Python x
IoT y
DM z
python a
['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Kiwi', 'Papaya', 'Watermelon']
['carrot', 'beetroot', 'tomato', 'banana']
('almond', 'cashew', 'raisin', 'walnut', 'pistachio', 'dates')
['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Avocado', 'Papaya', 'Watermelon']
['Mango', 'Orange']
['Apple', 'Banana', 'Mango', 'Orange']
['Apple', 'Banana', 'Mango', 'Orange', 'Pineapple', 'Avocado', 'Papaya', 'Watermelon', 'carrot', 'beetroot', 'tomato', 'banana', 'raisin', 'walnut', 'pistachio']
```

Correct

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```
26
27 print(Fruits[2:4])
28 print(Fruits[0:4])
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30 list = Fruits + Veg
31 print(list)
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```

```
: 'x', 'IoT': 'y', 'DM': 'z'}
```

```
: 'x', 'IoT': 'y', 'DM': 'z', 'python': 'a'}
```

```
, 'Banana', 'Mango', 'Orange', 'Pineapple', 'Kiwi', 'Papaya', 'Watermelon']
```

```
, 'beetroot', 'tomato', 'banana']
```

```
, 'cashew', 'raisin', 'walnut', 'pistachio', 'dates')
```

```
, 'Banana', 'Mango', 'Orange', 'Pineapple', 'Avocado', 'Papaya', 'Watermelon']
```

```
, 'Orange']
```

```
, 'Banana', 'Mango', 'Orange']
```

```
, 'Banana', 'Mango', 'Orange', 'Pineapple', 'Avocado', 'Papaya', 'Watermelon', 'carrot', 'beetroot', 'tomato', 'banana']
```

```
, 'walnut', 'pistachio')
```

Correct

Marks for this submission: 1.00/1.00.