# Dashboard / My courses / PSPP/PUP / Experiments based on Tuples, Sets and its operations / Week7 MCQ



### What is the output of the following union operation

```
set1 = {10, 20, 30, 40}
set2 = {50, 20, "10", 60}
set3 = set1.union(set2)
print(set3)
```

- a. {40, '10', 50, 20, 60, 30}
- $^{igored}$  b. SynatxError: Different types cannot be used with sets
- © c. {40, 10, '10', 50, 20, 60, 30} ✓
- Od. {40, 10, 50, 20, 60, 30}

### Your answer is correct.

The correct answer is: {40, 10, '10', 50, 20, 60, 30}

Question **2**Incorrect
Mark 0.00 out of 1.00

A python tuple can be created without using any parentheses. (True/False)

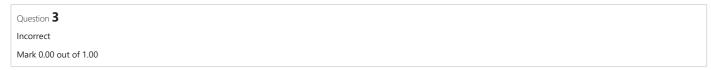
a. False X

Ob. True

Your answer is incorrect.

The correct answer is:

True



What will be the output of following Python code?

```
set1={2,5,3}
set2={3,1}
set3={}
set3=set1&set2
print(set3)
```

- a. {3}
- b. {2,5,3,1} ×
- O c. {}
- od. {2,5,1}

Your answer is incorrect.

The correct answer is:

{3}

Question **4**Incorrect

Mark 0.00 out of 1.00

What is the output of the following code

```
aSet = {1, 'rec', ('cse', 'ece'), True}
print(aSet)
```

- a. {'rec', 1, ('cse', 'ece')}
- b. {'rec', 1, ('cse', 'ece'),True} X
- c. Error
- d.
   {'rec', True, ('cse', 'ece')}

Your answer is incorrect.

The correct answer is: {'rec', 1, ('cse', 'ece')}

Question <b>5</b>		
Correct		
Mark 1.00 out of 1.00		

### Choose the correct option.

- b. In Python, a tuple can contain only <u>strings</u> as its elements.
- oc. In Python, a tuple can contain either string or integer but not both at a time.
- Od. In Python, a tuple can contain only integers as its elements.

### Your answer is correct.

### The correct answer is:

In Python, a tuple can contain both integers and strings as its elements.

Question **6**Correct
Mark 1.00 out of 1.00

What is the output of the following code?

aTuple = (10, 20, 30, 40, 50, 60, 70, 80) print(aTuple[2:5], aTuple[:4], aTuple[3:])

- a. (30, 40, 50) (10, 20, 30, 40)
- b. (30, 40, 50) (10, 20, 30, 40) (40, 50, 60, 70, 80) 
   ✓
- c. (10, 20, 30, 40) (40, 50, 60, 70, 80)
- d. (30, 40, 50)(40, 50, 60, 70, 80)

## Your answer is correct.

The correct answer is: (30, 40, 50) (10, 20, 30, 40) (40, 50, 60, 70, 80)

6/19/24, 11:57 PM Week7\_MCQ: Attempt review | REC-PS Question  ${\bf 7}$ Correct Mark 1.00 out of 1.00 If a=(15,16,17,18,19,25), then a[1:-1] will be Note: a=(15,16,17,18,19,25) print((a[1:-1])) a. (16,17,18) b. (16,17,18,19) 
✓ c. (25,19,18,17) d. Error Your answer is correct. The correct answer is: (16,17,18,19) Question  ${\bf 8}$ Incorrect Mark 0.00 out of 1.00 What is printed when the following code is run? tup = ('30', '3', '2', '8')

```
print(sorted(tup,reverse = True))
```

- a. ['2', '3', '30', '8']
- b. ['2', '3', '8', '30']
- o. ['8', '30', '3', '2']
- d. ['30', '8', '3', '2'] X

Your answer is incorrect.

The correct answer is: ['8', '30', '3', '2']



What is the output of the following

```
set1 = {10, 20, 30, 40, 50}
set2 = {60, 70, 10, 30, 40, 80, 20, 50}
print(set1.issubset(set2))
print(set2.issuperset(set1))
```

a. False

True

ob. True

True

c. True X

False

d. False

False

Your answer is incorrect.

The correct answer is:

True

True

Question 10
Incorrect

Mark 0.00 out of 1.00

Which of the following options will not result in an error when performed on <u>tuples</u> in Python where tupl=(5,2,7,0,3)?

a. tupl.sort() X

○ b. tupl1=tupl+tupl

c. tupl.append(2)

d. tupl[1]=2

Your answer is incorrect.

The correct answer is:

tupl1=tupl+tupl



Which of the following is a Python tuple?

- a. [1,2,3,4]
- b. {1,3,8,9,41}
- c. ("Wonder")
- d. (1,4,5,6,7) 
  ✓

Your answer is correct.

The correct answer is: (1,4,5,6,7)

Question 12

Correct

Mark 1.00 out of 1.00

Find the output of the given Python program?

t1 = (55, 44, 33, 22, 11)

x = [t1[i] for i in range(0, len(t1), 2)]

print(x)

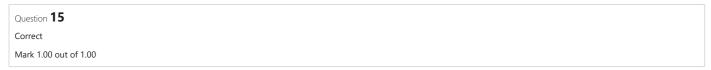
- a. (55,33,11)
- o b. ([55,33,11])
- c. [(55,33,11)]

Your answer is correct.

The correct answer is: [55, 33, 11]

24, 11:57 PM	week/_MCQ: Attempt review   REC-PS
Question 13	
Incorrect	
Mark 0.00 out of 1.00	
Select all the correct options to remove "ECE" from the <u>set</u> .	
sampleSet = {"ECE", "R&A", "MCT"}	
Sumplesce - ( Ecc. , Itan , Iter )	
a. del.sampleSet("ECE")	
○ b. sampleSet.discard("ECE")	
c. sampleSet.delete("ECE")	
<ul><li>d. remove.sampleSet("ECE") X</li></ul>	
Your answer is incorrect.	
The correct answer is:	
sampleSet.discard("ECE")	
Question <b>14</b>	
Correct	
Mark 1.00 out of 1.00	
What will be the output of following Python code?	
set1={0,0,9}	
<pre>print(set1)</pre>	
p. Inc(Sec2)	
○ a. {0,0,9}	
$\bigcirc$ c. It will throw an error as there are two 0 while creating the	he <u>set</u> .
○ d. {9}	
Your answer is correct.	
The correct answer is:	
(0.0)	

{0,9}



What will the below Python code do?

```
set1={2,3}
set2={3,2}
set3={2,1}
if(set1==set2):
    print("yes")
else:
    print("no")
if(set1==set3):
    print("yes")
else:
    print("yes")
```

- a. No, No
- b. "==" is not supported for <u>set</u> in Python
- c. Yes, Yes

Your answer is correct.

The correct answer is:

Yes, No

■ Set

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Week7\_Coding ►