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Started on Friday, 31 May 2024, 10:56 PM

State Finished

Completed on Friday, 31 May 2024, 11:25 PM

Time taken 29 mins 22 secs

Grade 8.00 out of 15.00 (53.33%)

Question **1**

Correct

Mark 1.00 out of 1.00

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}
- ☐ b. SyntaxError: Different types cannot be used with sets
- ☒ c. {40, 10, '10', 50, 20, 60, 30} ✓
- ☐ d. {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 ✗
- ☐ b. True

Your answer is incorrect.

The correct answer is:

True

Question **3**

Incorrect

Mark 0.00 out of 1.00

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} ✖
- ☐ c. {}
- ☐ d. {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} ✖
- ☐ c. Error
- ☐ d. {'rec', True, ('cse', 'ece')}

Your answer is incorrect.

The correct answer is:

{'rec', 1, ('cse', 'ece')}

Question **5**

Correct

Mark 1.00 out of 1.00

Choose the correct option.

- ☒ a. In Python, a tuple can contain both integers and [strings](#) as its elements. ✓
- ☐ b. In Python, a tuple can contain only [strings](#) as its elements.
- ☐ c. In Python, a tuple can contain either string or integer but not both at a time.
- ☐ d. 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)

Question **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 **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']
- ☐ c. ['8', '30', '3', '2']
- ☒ d. ['30', '8', '3', '2'] ✗

Your answer is incorrect.

The correct answer is:

['8', '30', '3', '2']

Question **9**

Incorrect

Mark 0.00 out of 1.00

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
- ☐ b. True
True
- ☒ c. True ✖
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 [tuples](#) in Python where `tpl=(5,2,7,0,3)`?

- ☒ a. `tpl.sort()` ✖
- ☐ b. `tpl1=tpl+tpl`
- ☐ c. `tpl.append(2)`
- ☐ d. `tpl[1]=2`

Your answer is incorrect.

The correct answer is:

`tpl1=tpl+tpl`

Question **11**

Correct

Mark 1.00 out of 1.00

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)
- ☐ b. ([55,33,11])
- ☐ c. [(55,33,11)]
- ☒ d. [55, 33, 11] ✓

Your answer is correct.

The correct answer is:

[55, 33, 11]

Question **13**

Incorrect

Mark 0.00 out of 1.00

Select all the correct options to remove "ECE" from the [set](#).

```
sampleSet = {"ECE", "R&A", "MCT"}
```

- ☐ a. `del.sampleSet("ECE")`
- ☐ b. `sampleSet.discard("ECE")`
- ☐ c. `sampleSet.delete("ECE")`
- ☒ d. `remove.sampleSet("ECE")` ✖

Your answer is incorrect.

The correct answer is:

`sampleSet.discard("ECE")`

Question **14**

Correct

Mark 1.00 out of 1.00

What will be the output of following Python code?

```
set1={0,0,9}  
print(set1)
```

- ☐ a. `{0,0,9}`
- ☒ b. `{0,9}` ✔
- ☐ c. It will throw an error as there are two 0 while creating the [set](#).
- ☐ d. `{9}`

Your answer is correct.

The correct answer is:

`{0,9}`

Question **15**

Correct

Mark 1.00 out of 1.00

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("no")
```

- ☐ a. No, No
- ☐ b. "==" is not supported for [set](#) in Python
- ☐ c. Yes, Yes
- ☒ d. Yes, No ✓

Your answer is correct.

The correct answer is:

Yes, No

[◀ Set](#)

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