202109-90230 CS021A QR:Cptr Prog I: Python (Gold)   Course Materials

Module 8 - Lists and Tuples   Take Test: Quiz 8

Take Test: Quiz 8

Test Information

Description	Please watch the videos and read the textbook chapter before taking the quiz
Instructions	
Multiple Attempts	This test allows multiple attempts.
Force Completion	This test can be saved and resumed later.

QUESTION 1	**1 points**	✔ Saved

Lists are [mutable ▾]

```
info = ['Alicia', 27, 1550.87]
```

You can access the first element from the info list this way -

[info[0] ▾]

Tuples are [immutable ▾]

```
info = ('Alicia', 27, 1550.87)
```

You can access the first element from the info tuple this way -

[info[0] ▾]

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

[Save All Answers]   [Save and Submit]

○ lengthof

○ size

◉ len

○ length

QUESTION 3   1 points   ✔ Saved

```
mylist1 = [1,2,3] + [1,2,3]
mylist2 = [1,2,3]*2
print(mylist1)
print(mylist2)
```

When you run the code above, the printed output in -

line1   [1,2,3,1,2,3]   ∨

line2   [1,2,3,1,2,3]   ∨

QUESTION 4   1 points   ✔ Saved

Use a pencil and paper to walk through the code and capture the
value of the variables in each line of code

```
numlist = [3,2,3,1,5]
idx = numlist.index(3)
numlist[idx] = 100
print(numlist)
```

What would be displayed if you run this code in Python IDLE editor

○ [100,2,100,1,5]

○ [3,2,100,1,5]

○ Error

◉ [100,2,3,1,5]

○ [3,2,3,100,5]

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

1 points   ✔ Saved

Save All Answers   Save and Submit

```
numlist.remove(2)

numlist.insert(2,2)

print(numlist)
```

What would be displayed if you run this code in Python IDLE editor

- ⦿ [2,1,2,5]
- ○ Error
- ○ [3,2,1,5]
- ○ [2,2,2,5]

QUESTION 6   **1 points**   ✔ Saved

How do you create a copy of a list referenced by the variable
`list1` and assign it to the variable `list2`

- ⦿ A. `list2  =  list1`
- ○ B. `list2 = [ ] + list1`
- ○ C.
  ```
  list2 = [ ]
  for item in list1:
        list2.append(item)
  ```
- ○ D. All of the above
- ○ E. Options A and B
- ○ F. Options B and C

QUESTION 7   **1 points**   ✔ Saved

```
list1 = [1,2,3,4,5]
list2 = list1
list2[1] = 100
list3 = [] + list1
```

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

[Save All Answers]   [Save and Submit]

line2 - [1,100,3,4,5] ⌄

line3 - [1,100,3,4,5] ⌄

QUESTION 8   1 points   ✔ Saved

```
mylist = list(range(1,6))     [1,2,3,4,5]  ⌄
```

```
mylist[:]      [1,2,3,4,5]  ⌄
```

```
mylist[1::2]     [2,4]      ⌄
```

```
mylist[:-3:2]    [1]        ⌄
```

QUESTION 9   1 points   ✔ Saved

```
mytuple = (1,2,3,4,5,6)
```
Select all the lines of code that will throw an error

☑ mytuple.insert(4,1)

☑ mytuple.reverse()

☑ mytuple.append(7)

☐ print(mytuple[-1])

QUESTION 10   1 points   ✔ Saved

```
numbers1 = [1,2,3]
```

```
numbers2 = [10,20,30]
```

```
numbers2 += numbers1
```

```
print(numbers1)        [1,2,3]        ⌄
```

```
print(numbers2)        [10,20,30,1,2,3]  ⌄
```

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers   Save and Submit

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers   Save and Submit