

course_1_assessment_10

Due: 2018-11-25 01:24:00

Description: Assessment for Accumulating Lists and Strings lesson.

Score: 5.0 of 5 = 100.0%

Questions

Which of these is the accumulator variable?

Score: 1.0 / 1

Comment: autograded

```
byzo = 'hello world!'
c = 0
for x in byzo:
    z = x + "!"
    print(z)
    c = c + 1
```

- ☐ A. byzo
- ☐ B. x
- ☐ C. z
- ☒ D. c

Check Me

Compare me

✓ Yes, this is the accumulator variable. By the end of the program, it will have a full count of how many items are in byzo.

Activity: 9.16.3.1 Multiple Choice (assess_question5_1_1_1)

Question in Context

(/runestone/books/published/fopp/TransformingSequences/week4a1.html#assess_question5_1_1_1)

Which of these is the sequence?

Score: 1.0 / 1

Comment: autograded

```
cawdra = ['candy', 'daisy', 'pear', 'peach', 'gem', 'crown']
t = 0
for elem in cawdra:
    t = t + len(elem)
```

- ☒ A. cawdra
- ☐ B. elem

☐ C. t

Check Me

Compare me

✓ Yes, this is the sequence that we iterate over.

Activity: 9.16.3.2 Multiple Choice (assess_question5_1_1_2)

Question in Context

(/runestone/books/published/fopp/TransformingSequences/week4a1.html#assess_question5_1_1_2)

Which of these is the iterator (loop) variable?

Score: 1.0 / 1

```
lst = [5, 10, 3, 8, 94, 2, 4, 9]
num = 0
for item in lst:
    num += item
```

Comment: autograded

☒ A. item

☐ B. lst

☐ C. num

Check Me

Compare me

✓ Yes, this is the iterator variable. It changes each time but is not the whole sequence itself.

Activity: 9.16.3.3 Multiple Choice (assess_question5_1_1_3)

Question in Context

(/runestone/books/published/fopp/TransformingSequences/week4a1.html#assess_question5_1_1_3)

What is the iterator (loop) variable in the following?

Score: 1.0 / 1

```
rest = ["sleep", 'dormir', 'dormire', "slaap", 'sen', 'yuxu', 'yanam']
let = ''
for phrase in rest:
    let += phrase[0]
```

Comment: autograded

The iterator variable is

Good work!

Activity: 9.16.3.4 Fill in the Blank (assess_question5_1_1_4)

Question in Context

[\(/runestone/books/published/fopp/TransformingSequences/week4a1.html#assess_question5_1_1_4\)](/runestone/books/published/fopp/TransformingSequences/week4a1.html#assess_question5_1_1_4)

Score: 1.0 / 1

Comment: autograded

Currently there is a string called `str1`. Write code to create a list called `chars` which should contain the characters from `str1`. Each character in `str1` should be its own element in the list `chars`.

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```
1
2 str1 = "I love python"
3 # HINT: what's the accumulator? That should go here.
4 chars=[]
5 for i in str1:
6     chars.append(i)
7
```

Activity: 9.16.3.5 ActiveCode (assess_week5_01)

[Question in Context \(/runestone/books/published/fopp/TransformingSequences/week4a1.html#assess_week5_01\)](/runestone/books/published/fopp/TransformingSequences/week4a1.html#assess_week5_01)

