

# course\_4\_assessment\_3

Due: 2019-02-04 15:15:00

Description: Assessment for the Test Cases lesson

Score: 0 of 4 = 0.0%

## Questions

**Not yet  
graded**

Save & Run

Show Code

Show CodeLens

ActiveCode (ac\_19\_4\_3)

**Not yet  
graded**

The function *mySum* is supposed to return the sum of a list of numbers (and 0 if that list is empty), but it has one or more errors in it. Use this space to write test cases to determine what errors there are. You will be using this information to answer the next set of multiple choice questions.

Save & Run

Load History

Show CodeLens

1  
2

ActiveCode (ac\_19\_4\_1)

test-4-1: Which of the following cases fail for the mySum function?

- ☐ A. an empty list
- ☐ B. a list with one item
- ☐ C. a list with more than one item

**Not yet graded**

Check me

Compare me

Multiple Choice (mc\_19\_4\_1)

test-4-2: Are there any other cases, that we can determine based on the current structure of the function, that also fail for the mySum function?

**Not yet graded**

- ☐ A. Yes
- ☐ B. No

Check me

Compare me

Multiple Choice (mc\_19\_4\_2)

**Not yet graded**

**The class Student is supposed to accept two arguments in its constructor:**

1. A name string
2. An optional integer representing the number of years the student has been at Michigan (default:1)

**Every student has three instance variables:**

1. *self.name* (set to the name provided)
2. *self.years\_UM* (set to the number of years the student has been at Michigan)
3. *self.knowledge* (initialized to 0)

**There are three methods:**

- *.study()* should increase *self.knowledge* by 1 and return None
- *.getKnowledge()* should return the value of *self.knowledge*
- *.year\_at\_umich()* should return the value of *self.years\_UM*

There are one or more errors in the class. Use this space to write test cases to determine what errors there are. You will be using this information to answer the next set of multiple choice questions.

Save &amp; Run

Load History

Show CodeLens

```
1
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```

ActiveCode (ac\_19\_4\_2)

test-4-3: Which of the following cases fail for the Student class?

**Not yet  
graded**

- ☐ A. the method study does not return None
- ☐ B. the optional integer in the constructor is not optional
- ☐ C. the attributes/instance variables are not correctly assigned in the constructor
- ☐ D. the method study does not increase self.knowledge
- ☐ E. the method year\_at\_umich does not return the value of self.years\_UM

Check me

Compare me

Multiple Choice (mc\_19\_4\_3)

test-4-4: Are there any other cases, that we can determine based on the current structure of the class, that also fail for the Student class?

**Not yet  
graded**

- ☐ A. Yes
- ☐ B. No

Check me

Compare me

Multiple Choice (mc\_19\_4\_4)

**Score Me**