course_2_assessment_4

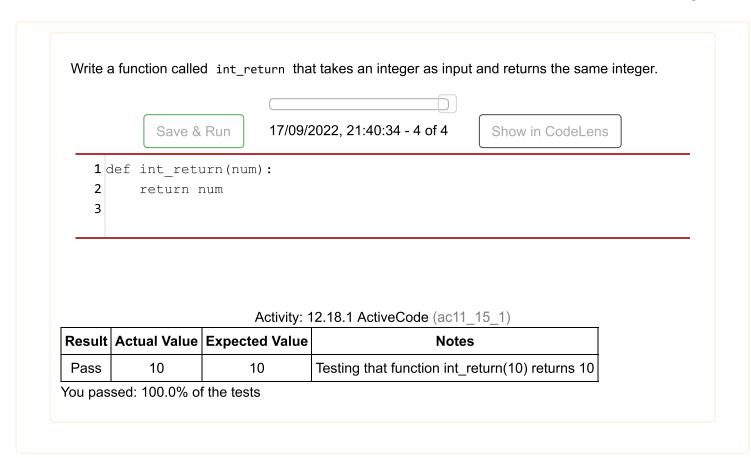
Due: 2018-11-25 01:30:00

Description: Assessment for Functions lesson

Score: 0 of 6 = 0.0%

Questions

Not yet graded



 $Question\ in\ Context\ (/runestone/books/published/fopp/Functions/ChapterAssessment.html \#ac11_15_1)$

Not yet graded

Write a function called add that takes any number as its input and returns that sum with 2 added.

Save & Run 17/09/2022, 21:40:39 - 2 of 2 Show in CodeLens

1 def add (num):
 return (num +2)
3

Activity: 12.18.2 ActiveCode (ac11_15_2)

		,	` = =
Result	Actual Value	Expected Value	Notes
Pass	0	0	Testing that add(-2) returns 0
Pass	8	8	Testing that add(6) returns 8
Pass	6	6	Testing that add(4) returns 6

You passed: 100.0% of the tests

Question in Context (/runestone/books/published/fopp/Functions/ChapterAssessment.html#ac11_15_2)

Not yet graded



Activity: 12.18.3 ActiveCode (ac11_15_3)

Result	Actual Value	Expected Value	Notes
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Pass	"I'm B	"I'm B	Tests that change('I'm Bob. ") returns 'I'm
	you!"	you!"	Bob. Nice to meet you!'
Pass	'Nice you!'	'Nice you!'	Tests that change() returns 'Nice to meet you!'

Expand Differences

Expand Differences

You passed: 100.0% of the tests

Question in Context (/runestone/books/published/fopp/Functions/ChapterAssessment.html#ac11 15 3)

Not yet graded

Write a function, <code>accum</code>, that takes a list of integers as input and returns the sum of those integers.

Save & Run

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Show in CodeLens

1 2

3 def accum(lst):

4 return(sum(lst))

Activity: 12.18.4 ActiveCode (ac11 15 4)

Result	Actual Value	Expected Value	Notes
Pass	5	5	Tests that accum([5]) returns 5
Pass	0	0	Tests that accum([]) returns 0
Pass	20	20	Tests that accum([2,4,6,8]) returns 20

You passed: 100.0% of the tests

Question in Context (/runestone/books/published/fopp/Functions/ChapterAssessment.html#ac11_15_4)

Not yet graded

Write a function, length, that takes in a list as the input. If the length of the list is greater than or equal to 5, return "Longer than 5". If the length is less than 5, return "Less than 5".

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Save & Run 17/09/2022, 21:41:05 - 2 of 2 Show in CodeLens

1 def length(lst):
2    if len(lst) >= 5:
3        return("Longer than 5")
4    else:
5        return("Less than 5")
6
```

Activity: 12.18.5 ActiveCode (ac11 15 5)

Result	Actual Value	Expected Value	Notes
Pass	'Less than 5'	'Less than 5'	Tests that length([]) returns 'Less than 5'
Pass	'Less than 5'	'Less than 5'	Tests that length([2, 2]) returns 'Less than 5'
Pass	'Longer than 5'	'Longer than 5'	Tests that length([4, 4, 4, 3, 5, 6, 7, 8, 9]) returns 'Longer than 5'
Pass	'Longer than 5'	'Longer than 5'	Tests that length([1, 1, 1, 1, 1]) returns 'Longer than 5'

You passed: 100.0% of the tests

Question in Context (/runestone/books/published/fopp/Functions/ChapterAssessment.html#ac11 15 5)

Not yet graded

You will need to write two functions for this problem. The first function, <code>divide</code> that takes in any number and returns that same number divided by 2. The second function called <code>sum</code> should take any number, divide it by 2, and add 6. It should return this new number. You should call the <code>divide</code> function within the <code>sum</code> function. Do not worry about decimals.

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```
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1 def divide(n):
    return(n/2)
3
4 def sum(num):
    res = divide(num) + 6
6    return res
7
```

Activity: 12.18.6 ActiveCode (ac11_15_6)

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Result	Actual Value	Expected Value	Notes
Pass	2.0	2	Tests that divide(4) returns 2
Pass	8.0	8	Tests that sum(4) returns 8
Pass	7.0	7	Tests that sum(2) returns 7
Pass	3.0	3	Tests that sum(-6) returns 3
Pass	6.0	6	Tests that sum(0) returns 6

You passed: 100.0% of the tests

Question in Context (/runestone/books/published/fopp/Functions/ChapterAssessment.html#ac11_15_6)

Score Me

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