edX (https://www.edx.org)

MITx: 6.00.1x Introduction to Computer Science and Programming Using Python

zhushun0008 (/dashboard)

Courseware (/courses/MITx/6.00.1_3x/2T2014/courseware)   Updates & News (/courses/MITx/6.00.1_3x/2T2014/info)

Calendar (/courses/MITx/6.00.1_3x/2T2014/89309559b0414f6d8cbef9e48ca19f4b/)   Wiki (/courses/MITx/6.00.1_3x/2T2014/course_wiki)

iscussion (/courses/MITx/6.00.1_3x/2T2014/discussion/forum)   Progress (/courses/MITx/6.00.1_3x/2T2014/progress)

Help

PROBLEM 1-1 (1 point possible)

For each of the following questions, answer True or False:

After a mutable object has been created, its value can change.

○ True
○ False

| Final Check | Save | *You have used 0 of 1 submissions* |

PROBLEM 1-2 (1 point possible)

A program that keeps running and does not stop is an example of a syntax error.

○ True
○ False

| Final Check | Save | *You have used 0 of 1 submissions* |

PROBLEM 1-3 (1 point possible)

Given two Python programs that produce the same output for the same input, the program with fewer lines of code always executes faster.

○ True
○ False

| Final Check | Save | *You have used 0 of 1 submissions* |

PROBLEM 1-4 (1 point possible)

A tuple can contain a list as an element.

○ True
○ False

| Final Check | Save | *You have used 0 of 1 submissions* |

PROBLEM 1-5 (1 point possible)

If we define `myDict = {}`, then `myDict[('a', 'b')] = 'foo'` is a legal Python expression.

○ True
○ False

[Final Check] [Save]   *You have used 0 of 1 submissions*

PROBLEM 1-6 (1 point possible)

If we define `myDict = {}`, then `myDict[['a', 'b']] = 'foo'` is a legal Python expression.

○ True
○ False

[Final Check] [Save]   *You have used 0 of 1 submissions*

PROBLEM 1-7 (1 point possible)

Integration testing should usually be done before unit testing.

○ True
○ False

[Final Check] [Save]   *You have used 0 of 1 submissions*

PROBLEM 1-8 (1 point possible)

Any number that can be represented as a decimal fraction can be represented exactly in floating point representation in Python.

○ True
○ False

[Final Check] [Save]   *You have used 0 of 1 submissions*

PROBLEM 1-9 (1 point possible)

The body of a `while` loop can contain at most one "break" statement and at most one "pass" statement.

○ True
○ False

[Final Check] [Save]   *You have used 0 of 1 submissions*

PROBLEM 1-10 (1 point possible)

A recursive algorithm must always have a base case.

○ True
○ False

Final Check	Save	*You have used 0 of 1 submissions*