

Python Lists, Variables, Modules — Quiz (Medium)

Auto-generated quiz (medium) for Python Lists, Variables, Modules

Subject: Python Lists, Variables, Modules

Assessment Type: Quiz

Difficulty Level: Medium

Total Questions: 8

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Question 1 [1 marks] (medium)

According to the provided text, what characteristic defines an "immutable" object in Python?

Question 2 [2 marks] (medium)

Which list method adds a single item to the end of a list?

- A. list.extend(x)
- B. list.add(x)
- C. list.insert(x)
- D. list.append(x)

Question 3 [2 marks] (medium)

According to the Python tutorial, which of the following is an immutable object type?

- A. List

B. Dictionary

C. Tuple

D. Set

Question 4 [2 marks] (medium)

What is the primary purpose of a Python module?

A. To define new programming languages

B. To store definitions for use in other scripts or the interpreter

C. To compile Python code into executable binaries

D. To manage network connections

Question 5 [2 marks] (medium)

What does Python's standard library primarily consist of?

- A. Third-party packages requiring external installation
- B. Modules built into the interpreter or provided with Python
- C. User-defined functions from local scripts
- D. Machine-level code for hardware interaction

Question 6 [2 marks] (medium)

Write a Python function `append_to_list` that takes a list of integers and an integer. The function should append the integer to the list and return the modified list. Input: `my_list` (list of int), `item` (int)
Output: `my_list` (list of int)

Question 7 [1 marks] (medium)

Write a Python function `double_value` that takes an integer `x` as input. The function should double the value of `x` and return the new value. Input: `x` (int) Output: `result` (int)

Question 8 [2 marks] (medium)

Write a Python function `get_pi_value` that imports the `math` module and returns the value of pi from it.
Input: None Output: `pi_value` (float)