

Python Programming

Chapter 6, Lesson 1 Quiz – “Lists and Tuples”

1. Which of the following successfully declares a list named "marbles" and initializes the contents to the string values "red", "green" and "blue"?

- a. `marbles = ["red", "green", "blue"]`
- b. `marbles = [red, green, blue]`
- c. `marbles = list.create("red", "green", "blue")`
- d. `marbles = ("red" : "green" : "blue")`

2. Which of the following statements will NOT successfully display the contents of a list named "marbles"?

- a. `print("I haven't lost my " + marbles)`
- b. `print(marbles)`
- c. `print(str.format("{} ", marbles))`
- d. `print("I haven't lost my ", marbles)`

3. Which of the following statements will successfully update the second element in a list named "marbles"?

- a. `marbles[1] = "yellow"`
- b. `marbles(2) = "yellow"`
- c. `marbles.set(1, "yellow")`
- d. `marbles["yellow"] = 1`

4. Which of the following best describes the difference between a list and a tuple?

- a. List contents can be changed, while tuple contents cannot be changed after the tuple is initialized
- b. Lists can store any data type, while tuples are restricted to a single data type
- c. Lists can store small numbers of elements, while tuples are better at storing larger data sets
- d. Nothing is different; lists and tuples are just two names for the same thing in Python

5. Given a list named "marbles", which of the following statements will successfully access the range of items that starts with the second element and ends (and includes) with the third element?

- a. `marbles[1:3]`
- b. `marbles[2:3]`
- c. `marbles(1,3)`
- d. `marbles.range(2,4)`