# Learning Python – Assessment Bank

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\*\*Learning Python: Variables - Remember Level MCQs\*\*  
  
\*\*Instructions:\*\* Choose the best answer for each multiple-choice question.  
  
1. What is the primary purpose of a variable in Python?  
 a) To store a single character  
 b) To perform calculations  
 c) To store data values  
 d) To define a function  
  
2. Which of the following is a valid Python variable name?  
 a) 1st\_variable  
 b) my-variable  
 c) \_my\_variable  
 d) my variable  
  
3. What happens when you assign a value to a variable that already exists in Python?  
 a) An error occurs.  
 b) The old value is overwritten.  
 c) A new variable is created.  
 d) The program ignores the assignment.  
  
4. Which data type is automatically assigned to a variable when you assign the value `10` to it?  
 a) String  
 b) Float  
 c) Integer  
 d) Boolean  
  
5. What is the correct way to assign the string "Hello, world!" to a variable named `message`?  
 a) message = "Hello, world!"  
 b) "Hello, world!" = message  
 c) message := "Hello, world!"  
 d) message = 'Hello, world!'  
  
  
6. What keyword is used to explicitly specify the data type of a variable in Python (Hint: consider type hinting, often used in advanced Python)?  
 a) `var`  
 b) `type`  
 c) `def`  
 d) `:`  
  
  
7. A variable named `count` is assigned the value `5`. What data type is `count`?  
 a) String  
 b) Float  
 c) Integer  
 d) Boolean  
  
8. If you try to use a variable that hasn't been assigned a value, what will happen?  
 a) The program will automatically assign 0 to the variable.  
 b) The program will automatically assign an empty string to the variable.  
 c) A `NameError` will occur.  
 d) The program will continue without issue.  
  
  
9. Which of the following is an example of a valid Python variable assignment?  
 a) `x = 10; y = 20; z = x + y`  
 b) `x = 10 y = 20`  
 c) `10 = x`  
 d) `x = 10, y = 20, z = x + y`  
  
10. Variables in Python are:  
 a) Statically typed  
 b) Dynamically typed  
 c) Always integers  
 d) Always strings  
  
  
\*\*Answer Key:\*\*  
1. c)  
2. c)  
3. b)  
4. c)  
5. a) or d) (Both are correct)  
6. d) (Type hinting uses `:` but it's not strictly a keyword like `def` or mandatory)  
7. c)  
8. c)  
9. a)  
10. b)

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