# Python – Assessment Bank

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\*\*Instructions:\*\* Choose the best answer for each multiple-choice question.  
  
1. Which of the following is a valid Python variable name?  
 a) 1st\_variable b) my-variable c) my\_variable d) @variable  
  
2. What is the primary purpose of a variable in Python?  
 a) To perform calculations b) To store data c) To control program flow d) To define functions  
  
3. What data type is assigned to the variable `x` after executing the line `x = 10`?  
 a) String b) Float c) Integer d) Boolean  
  
4. Which character is used to assign a value to a variable in Python?  
 a) = b) == c) := d) :  
  
5. What happens if you try to use a variable that hasn't been defined in Python?  
 a) The program continues without issue b) A warning is displayed c) A runtime error (NameError) occurs d) The variable is automatically created and assigned a value of 0  
  
6. Which statement correctly declares a variable named `age` and assigns it the value 25?  
 a) age = 25 b) 25 = age c) age := 25 d) let age = 25  
  
7. Is the variable name `myVariable` considered a valid variable name in Python?  
 a) Yes b) No  
  
8. Which of the following is an example of a valid Python variable name containing multiple words?  
 a) my variable b) myVariable c) My-Variable d) my\_variable  
  
9. In Python, are variable names case-sensitive?  
 a) Yes b) No  
  
10. What is the data type of the variable `my\_string` after executing `my\_string = "Hello World!"`?  
 a) Integer b) Float c) String d) Boolean  
  
  
\*\*Answer Key:\*\*  
1. c)  
2. b)  
3. c)  
4. a)  
5. c)  
6. a)  
7. a)  
8. b) and d) are both valid, though d) is preferred for readability.  
9. a)  
10. c)

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