



PYTHON VARIABLE ASSIGNMENT

1. Which of the following defines a variable in Python?

- A. var name = "GrowingSeed"
- B. string name = "GrowingSeed"
- C. name = "GrowingSeed"
- D. All of the above

2. How to get the type of the following variable?

i = 10

- A. type(i)
- B. exec(i)
- C. print(i)
- D. help(i)

3. What is the output of the following code?

x = 100

print(type(x))

- A. integer
- B. int
- C. <class 'int'>
- D. <class 'number'>

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4. Which of the following would give a syntax error?
- A. `x , y, z = 10, 20, 30`
 - B. `x, y, z = 10, 'hello', True`
 - C. `x = 10, y = 'hello', z = True`
 - D. None of the above.
5. Which of the following statements are correct?
- A. The variable names can not start with digit.
 - B. Variables names in Python are case-sensitive.
 - C. Variable names can not start with the underscore.
 - D. Variable names can be reserved keywords.
6. What is the output of the following code?
- ```
x = 100
y = 100
id(x) == id(y)
```
- A. True
  - B. False
  - C. Error
7. In Python, a variable must be declared before it is assigned a value.

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A. True

B. False

8. Which of the following statements assigns the value 100 to the variable x in Python.

A. `x := 100`

B. `x = 100`

C. `x <- 100`

D. `let x = 100`

E. `x << 100`

9. In Python, a variable may be assigned a value of one type, and then later assigned a value of a different type.

A. True

B. False

10. Consider the following sequence of statements:

```
n = 300
```

```
m = n
```

Following execution of these statements, Python has created how many objects and how many references?

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- A. Two objects, one reference
- B. One object, one reference
- C. Two objects, two references
- D. One object, two references

11. What Python built-in function returns the unique number assigned to an object:

- A. ref()
- B. identity()
- C. id()
- D. refnum()

12. Which of the following are valid Python variable names:

- A. del
- B. 4square
- C. home\_address
- D. Age
- E. var1.3
- F. route66



13. You are reading Python code, and these statements appear scattered in different locations throughout the code:



employeenumber = 4398

EmployeeNumber = 4398

employeeNumber = 4398

- A. These statements refer to different variables.
- B. These statements refer to same variable.



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