

1. To store a value for later use in Python, the programmer needs to create a:
 1. number
 2. character
 3. variable
 4. boolean

Title

What is the term used to store a value for later use in a Python program?

type

mc

Section

2.1 Variables

id

testbank-py-1-ch02-01

2. A variable is:
 1. A storage location with a name
 2. An assignment statement
 3. An expression
 4. A point in a program where a decision is made

Title

What is the definition of a variable?

type

mc

Section

2.1 Variables

id

testbank-py-2-ch02-02

from

testbank-py-1-ch02-02

3. How is a value stored in a variable?
 1. an assignment statement
 2. an expression
 3. a print statement
 4. an equality statement

Title

How is a value stored in a variable?

type

mc

Section

2.1 Variables

id

testbank-py-1-ch02-03

4. What is the value of the variable `num` after the following code snippet?

```
num = 5
num2 = 6
num = num2 + 3
```

1. 5
2. 9
3. 8
4. 11

Title

What is the value of the variable `num` after the following code statement?

type

mc

Section

2.1 Variables

id

testbank-py-1-ch02-04

5. What is wrong with this assignment statement?

```
num + 10 = num2
```

1. The left hand side of an assignment statement cannot include an operator.
2. Nothing, this statement compiles and executes.
3. The value of 10 must be defined before this statement can be executed.
4. The `num` variable must be defined before this statement can be executed

Title

What is wrong with this assignment statement?

type

mc

Section

2.1 Variables

id

testbank-py-2-ch02-05

from

testbank-py-1-ch02-05

6. What is the right way to assign the value of `num + 10` to `num2`?

1. `num2 = num + 10`
2. `num = num2 + 10`
3. `num2 + 10 = num`
4. `num + 10 = num2`

Title

What is the right way to assign the value of `num + 10` to `num2`?

type
mc
Section
2.1 Variables
id
testbank-py-1-ch02-06

7. What is wrong with the following code snippet?

```
num = 78A
```

1. The `num` variable is never assigned a value
2. `78A` is not a valid value in a Python program
3. The name `num` is not a valid variable name
4. The `num` variable is never initialized

Title
What is wrong with the following code snippet?
type
mc
Section
2.1 Variables
id
testbank-py-2-ch02-07
from
testbank-py-1-ch02-07

8. What is wrong with the following code snippet?

```
2ndNum = 78
```

1. The `2ndNum` variable is never assigned a value
2. The `2ndNum` variable is assigned a non-numeric value
3. The `2ndNum` variable is not a valid variable name
4. The `2ndNum` variable is never initialized

Title
What is wrong with the following code snippet?
type
mc
Section
2.1 Variables
id
testbank-py-1-ch02-08

9. What is a variable called that should remain unchanged throughout your program?
1. a constant variable
 2. a data variable
 3. a string variable
 4. a boolean variable

Title

What is a variable called that should remain unchanged throughout your program?

type

mc

Section

2.1 Variables

id

testbank-py-1-ch02-09

10. Which of the following variables should be coded as a constant in Python?
1. character: 'a'
 2. string: "hello"
 3. number: 1234
 4. pi: 3.14159

Title

Python naming conventions for variables

type

mc

Section

2.1 Variables

id

testbank-py-1-ch02-10

11. Which of the following variable names follows the Python naming convention for constants?
1. maxSize
 2. MAXSIZE
 3. MAX SIZE
 4. max_size

Title

Python naming conventions for variables

type

mc

Section

2.1 Variables

id

testbank-py-1-ch02-11

12. Why is it important to follow Python naming standards for variables representing constants?

1. it is good programming style
2. it is required by the Python programming language
3. it is required by graphic programs
4. it is required for all non-zero numbers

Title

Python naming conventions for variables

type

mc

Section

2.1 Variables

id

testbank-py-1-ch02-12

13. Which of the following symbols can be used to begin a string literal in Python?

1. *
2. #
3. "
4. >

Title

Which of the following symbols can be used to begin a string literal in Python?

type

mc

Section

2.4.1 The String Type

id

testbank-py-2-ch02-13

14. Which of the following is an appropriate constant name to represent the number of pencils in a pack?

1. NUM_PENCILS_PER_PACK = 12
2. numPencilsPerPack = 12
3. NUMpencilsPERpack = 12
4. numpencilsperpack = 12

Title

Which of the following is an appropriate constant name to represent the number of pencils in a pack?

type

mc

Section

2.1 Variables

id

testbank-py-2-ch02-14

from

testbank-py-1-ch02-14

15. Which line of code creates a variable named x and initializes it to the integer 5?

1. x = 5.0
2. x = 5
3. x = '5'
4. x = "5"

Title

Which line of code creates a variable named x and initializes it to the integer 5?

type

mc

Section

2.1.2 Number Types

id

testbank-py-2-ch02-15

from

testbank-py-1-ch02-15

16. Which of the following names is **not** a legal variable name?

1. bottle-volume
2. cans_per_pack
3. four
4. x2

Title

Which of the following names is not a legal variable name?

type

mc

Section

2.1.3 Variable Names

id

testbank-py-1-ch02-16

17. Which of the following names is the best for a constant variable holding the price of a can of soda?

1. soda_price
2. soda-price
3. SodaPrice
4. SODA_PRICE

Title

Which of the following names is the best for a constant variable holding the price of a can of soda?

type

mc

Section

2.1.4 Constants

id
testbank-py-1-ch02-17

18. What symbol is used to begin a comment in a Python program?

1. !
2. @
3. #
4. \$

Title
What symbol is used to begin a comment in a python program?
type
mc
Section
2.1.5 Comments
id
testbank-py-1-ch02-18

19. Which of the following statements correctly multiplies `num1` times `num2`?

1. `num1 * num2`
2. `num1 x num2`
3. `num1 · num2`
4. `num1 ** num2`

Title
Which of the following statements correctly multiplies `num1` times `num2`?
type
mc
Section
2.2 Arithmetic
id
testbank-py-1-ch02-19

20. Which of the following statements correctly calculates the average of three numbers: `num1`, `num2`, and `num3`?

1. `num1 + num2 + num3 / 3`
2. `num1 + num2 + num3 % 3`
3. `(num1 + num2 + num3) / 3`
4. `(num1 + num2 + num3 / 3)`

Title
Which of the following statements computes the average of three numbers?
type
mc
Section
2.2 Arithmetic
id
testbank-py-2-ch02-20
from
testbank-py-1-ch02-20

21. Which of the following suggestions is the best way to make code easier for other programmers to understand?
1. Use more statements in the source code.
 2. Give each variable a name that explains its purpose.
 3. Avoid using complex calculations in the source code
 4. Use single-letter variable names in the source code

Title

What is the best way to make code easier for other programmers to understand?

type

mc

Section

2.2 Arithmetic

id

testbank-py-2-ch02-21

from

testbank-py-1-ch02-21

22. What is the value of `result` after the following code snippet?

```
num1 = 10
num2 = 20
num3 = 2
result = num1 / num2 / num3
print(result)
```

1. 1
2. 0
3. The code has an error
4. 0.25

Title

What is the value of `result` after the following code snippet?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-22

23. What will be the values of the variables `num1` and `num2` after the given set of assignments?

```
num1 = 20
num2 = 10
num1 = num1 + num2 / 2
num2 = num1
```

1. `num1 = 20.0, num2 = 10.0`
2. `num1 = 15.0, num2 = 10.0`

3. `num1 = 25.0, num2 = 25.0`

4. `num1 = 15.0, num2 = 15.0`

Title

What will be the values of the variables `num1` and `num2` after the given set of assignments?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-23

24. What is the value of `result` after the following code snippet?

```
num1 = 10
num2 = 20
num3 = 2
result = num1 // num2 // num3
print(result)
```

1. 1

2. 0

3. The code has an error

4. 0.25

Title

What is the value of `result` after the following code snippet?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-24

25. What is the value of `result` after the following code snippet?

```
num1 = 20
num2 = 10
num3 = 2
result = num1 // num2 // num3
print(result)
```

1. 1

2. 0

3. The code has an error

4. 0.25

Title

What is the value of `result` after the following code snippet?

type

mc

Section
2.2 Arithmetic
id
testbank-py-1-ch02-25

26. What is the value of `result` after the following code snippet?

```
num1 = 20
num2 = 10
num3 = 2
result = num1 // num2 / num3
print(result)
```

1. 1.0
2. 0.0
3. The code has an error
4. 0.25

Title
What is the value of `result` after the following code snippet?
type
mc
Section
2.2 Arithmetic
id
testbank-py-1-ch02-26

27. Assume that you have an integer variable, `pennies`, that currently contains an integer number of pennies. Which statement determines the number of dollars and cents for that number of pennies?

1. `dollars = pennies // 100`
`cents = pennies % 100`
2. `dollars = pennies / 100`
`cents = pennies % 100`
3. `dollars = pennies // 100`
`cents = pennies / 100`
4. `dollars = pennies % 100`
`cents = pennies / 100`

Title
Which statement determines the number of dollars and cents for a number of pennies?
type
mc
Section
2.2 Arithmetic
id
testbank-py-2-ch02-27
from
testbank-py-1-ch02-27

28. Which code snippet is the correct Python equivalent to the following Algebraic expression ?

$$c = \sqrt{a^2 + b^2}$$

1. `sqrt(a ^ 2 + b ^ 2)`
2. `sqrt(a ** 2 + b ** 2)`
3. `sqrt(a * 2 + b * 2)`
4. `squareroot(a ** 2 + b ** 2)`

Title

What is the value of result after the following code snippet?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-28

29. What symbol is used to find remainder of a floor division?

1. `//`
2. `/`
3. `%`
4. `#`

Title

What symbol is used to find remainder of a floor division?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-29

30. A(n) _____ is a collection of programming instructions that carry out a particular task.

1. argument
2. parameter
3. function
4. literal

Title

What is a collection of programming instructions that carry out a particular task?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-30

31. What is the value of `4 ** 3`?

1. 12
2. 64
3. 1
4. Nothing, there is an error in the statement

Title

What is the value of `4 ** 3`?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-31

32. What is returned by the function: `round(x)` if `x = 5.64`?

1. Nothing, there is an error in the statement
2. 5
3. 5.6
4. 6

Title

What is returned by the function: `round(x)` if `x = 5.64`?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-32

33. What is returned by the function: `abs(x)` if `x = 5.64`?

1. Nothing, there is an error in the statement
2. 5
3. 5.64
4. 6

Title

What is returned by the function: `abs(x)` if `x = 5.64`?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-33

34. What is returned by the function: `max(1, 4, 15, 2, 3, 24)`?

1. 1
2. 24
3. 15
4. 2

Title

What is returned by the max function?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-34

35. What is returned by the function: `round(3.14159, 2)`?

1. 3
2. 3.14159
3. 3.2
4. 3.14

Title

What is returned by the function: `round(3.14159, 2)`?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-35

36. What is wrong with the following code snippet?

```
result = num1 // num2 / num3
num1 = 20
num2 = 10
num3 = 2
print(result)
```

1. A variable is used before it is assigned a value.
2. Nothing, the code compiles and runs.
3. The `//` symbol cannot be used in a Python program.
4. One or more of the variable names is not valid.

Title

What is wrong with the following code snippets which includes variables?

type

mc

Section

2.2 Arithmetic

id

testbank-py-2-ch02-36

from
testbank-py-1-ch02-36

37. A(n) _____ is a collection of code that has been written by someone else that is ready for you to use in your program.

1. variable
2. argument
3. function
4. library

Title

What is a collection of code that has been written and translated by someone else.

type

mc

Section

2.2 Arithmetic

id

testbank-py-2-ch02-37

from

testbank-py-1-ch02-37

38. What must be done first before you can use a function from the standard library?

1. the function must be defined
2. the function must be imported
3. the function must be included in a module
4. the function must be enclosed in parenthesis

Title

What must be done first before you can use a function from the standard library?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-38

39. What is returned by the function: `sqrt(64)`?

1. 8.0
2. 32.0
3. 4.0
4. 64.0

Title

What is returned by the sqrt function?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-39

40. What is wrong with the following code snippet?

```
((num1 + num2) * num3 / 2 * (1 - num4)
```

1. nothing, the code compiles and runs
2. there is an extra parenthesis
3. parenthesis are not required
4. illegal expression

Title

What is wrong with the following code snippet?

type

mc

Section

2.2 Arithmetic

id

testbank-py-1-ch02-40

41. Consider the following code segment:

```
x = 5
y = 7
z = x - y * 2
```

After this code segment executes, the value of z is:

1. -9
2. -4
3. 5
4. 7

Title

Evaluate expressions involving basic arithmetic operations

type

mc

Section

2.2.1 Basic Arithmetic Operations

id

testbank-py-1-ch02-41

42. The Python code that represents the formula $c = (a / b)^3$ is:

1. `c = a / b ** 3`
2. `c = (a / b) ** 3`
3. `c = 3 ^ (a / b)`
4. `c = (a / b) ^ 3`

Title

Translate a formula to equivalent Python code

type

mc

Section

2.2.2 Powers

id

testbank-py-1-ch02-42

43. Consider the following code segment:

```
x = 5
y = 3
z = 2
result = x // y + x % z
```

After this code segment, the value of `result` is:

1. 2
2. 3
3. 4
4. 5

Title

Evaluate an expression involving division and remainder

type

mc

Section

2.2.3 Floor Division and Remainder

id

testbank-py-1-ch02-43

44. Which statement computes the square root of 5 and stores it in the variable, `r`?
Assume that the `math` module has already been imported.

1. `r = math.squareRoot(5)`
2. `r = math.sqrt(5)`
3. `r = math.squareRoot[5]`
4. `r = math.sqrt[5]`

Title

Which statement computes the square root of 5?

type

mc

Section

2.2.5 Mathematical Functions

id

testbank-py-1-ch02-44

45. Which of the following statements computes the minimum of the variables a, b, c and d, and stores it in x?

1. `x = minimum(a, b, c, d)`
2. `x = min(a, b, c, min(d))`
3. `x = min(min(a, b), min(c, d))`
4. `min(a, b, c, d) = x`

Title

Which statement computes the minimum value of four variables?

type

mc

Section

2.2.5 Mathematical Functions

id

testbank-py-1-ch02-45

46. A sequence of characters is referred to as a:

1. string
2. module
3. variable
4. expression

Title

What is a sequence of characters?

type

mc

Section

2.4 Strings

id

testbank-py-2-ch02-46

from

testbank-py-1-ch02-46

47. What is the value of length after this statement: `length = len("Good Morning")`?

1. 10
2. 11
3. 12
4. 13

Title

What is the value of length after this statement: `length = len("Good Morning")`?

type

mc

Section

2.4 Strings

id

testbank-py-1-ch02-47

48. What is it called when you join two strings together in Python?

1. concatenation
2. addition
3. repetition
4. conversion

Title

What is it called when you join two strings together in Python?

type

mc

Section

2.4 Strings

id

testbank-py-2-ch02-48

from

testbank-py-1-ch02-48

49. Which statement correctly creates a new variable by combining the two string variables: `firstName` and `lastName`?

1. `name = "firstName" + "lastName"`
2. `name = firstName + lastName`
3. `name = first name + last name`
4. `name = firstName & lastName`

Title

Which statement correctly creates a new variable by combining the strings `firstName` and `lastName`?

type

mc

Section

2.4 Strings

id

testbank-py-1-ch02-49

50. What is printed from the following code snippet:

```
message = "ho.."
print(message * 3)
```

1. `ho..ho..ho`
2. `ho..`
3. `ho..ho..ho..`
4. nothing is printed, this code snippet causes an error

Title

What is printed from the given snippet?

type

mc

Section

2.4 Strings

id
testbank-py-1-ch02-50

51. What is printed by the following code snippet:

```
street = " Main Street"  
address = 123 + street  
print(address)
```

1. 123Main Street
2. 123 Main Street
3. 123 "Main Street"
4. nothing is printed, this code snippet causes an error

Title
What is printed from the given snippet?
type
mc
Section
2.4 Strings
id
testbank-py-1-ch02-51

52. The following code snippet has an error, how can this be corrected so it prints:
123 Main Street?

```
1. street = " Main Street"  
2. address = 123 + street  
3. print(address)
```

1. change the value '123' in line 2 to a string using the `str` function
2. reverse lines 1 and 2
3. change line 1 to read: `street = 123 + "Main Street"`
4. change line 2 to read: `address = 123 + "Main Street"`

Title
What has to change to correctly print a street number and street name?
type
mc
Section
2.4 Strings
id
testbank-py-1-ch02-52

53. What functions can be used to convert a string into a number?

1. `stri` and `len`
2. `int` and `float`
3. `sqrt`, `abs` and `round`
4. `integer` and `float`

Title

What functions are used to convert strings to numbers?

type

mc

Section

2.4 Strings

id

testbank-py-2-ch02-53

from

testbank-py-1-ch02-53

54. What is printed by the following code snippet?

```
num = int("45") * float("1.5")
print(num)
```

1. nothing, this causes an error
2. 46.5
3. 45 * 1.5
4. 67.5

Title

What is printed by the following code snippet?

type

mc

Section

2.4 Strings

id

testbank-py-1-ch02-54

55. What is the index value of the letter 'h' in the string below ?

```
message = "hello"
```

1. 1
2. 0
3. 3
4. 4

Title

What is the index value of the letter 'h' in the string below ?

type

mc

Section

2.4 Strings

id

testbank-py-1-ch02-55

56. Given the code snippet below, what code is needed to print the person's initials?

```
firstName = "Pamela"  
middleName = "Rose"  
lastName = "Smith"
```

1. `print(firstName[1], middleName[1], lastName[1])`
2. `print(firstName[0], middleName[0], lastName[0])`
3. `print(firstName + middleName + lastName)`
4. `print(firstName, middleName, lastName)`

Title

Given the code snippet below, what code is needed to print the person's initials?

type

mc

Section

2.4 Strings

id

testbank-py-1-ch02-56

57. What output is generated by the following code snippet?

```
firstName = "Pamela"  
middleName = "Rose"  
lastName = "Smith"  
print(firstName[0], middleName[0], lastName[5])
```

1. nothing, this causes an index of bounds error
2. PRh
3. P R h
4. PRS

Title

Given the code snippet below, what code is printed?

type

mc

Section

2.4 Strings

id

testbank-py-2-ch02-57

from

testbank-py-1-ch02-57

58. Which statement finds the last letter of the string variable `name`?

1. `last = name[len(name)]`
2. `last = len(name) - 1`
3. `last = len(name)`
4. `last = name[len(name) - 1]`

Title

Which statement finds the last letter of the string variable `name`?

type

mc

Section

2.4 Strings

id

testbank-py-1-ch02-58

59. A _____ is a collection of programming instructions that can be applied to an object.

1. function
2. method
3. class
4. object

Title

Which is the name of a collection of programming instructions that carry out a particular task to control the behavior of an object?

type

mc

Section

2.4 Strings

id

testbank-py-1-ch02-59

60. What is printed by the following code snippet?

```
name = "Robert"  
formalName = name.upper()  
print(formalName)
```

1. Robert
2. robert
3. ROBERT
4. formalName

Title

Which is the result of the following code snippet?

type

mc

Section

2.4 Strings

id

testbank-py-2-ch02-60

from

testbank-py-1-ch02-60

61. What is printed by the following code snippet?

```
name = "Robert"  
formalName = name.lower()  
print(formalName)
```

1. Robert
2. robert
3. ROBERT
4. formalName

Title

Which is the result of the following code snippet?

type

mc

Section

2.4 Strings

id

testbank-py-2-ch02-61

from

testbank-py-1-ch02-61

62. What is printed by the following code snippet?

```
name = "today is thursday"  
name.replace("t", "T")  
name.replace("i", "I")  
print(name)
```

1. today is thursday
2. Today is Thursday
3. Today Is Thursday
4. Today Is thursday

Title

Which is the result of the following code snippet?

type

mc

Section

2.4 Strings

id
testbank-py-2-ch02-62
from
testbank-py-1-ch02-62

63. What is printed by the following code snippet?

```
name = "today is thursday"  
newName = name.replace("t", "T")  
print(newName)
```

1. today is thursday
2. Today is Thursday
3. Today Is Thursday
4. Today Is thursday

Title

Which is the result of the following code snippet?

type

mc

Section

2.4 Strings

id

testbank-py-2-ch02-63

from

testbank-py-1-ch02-63

64. What is the value of x after the following code segment?

```
x = len("Hello World!")
```

1. 10
2. 11
3. 12
4. 13

Title

Determine the length of a string

type

mc

Section

2.4.1 The String Type

id

testbank-py-1-ch02-64

65. Assume that `s` is an arbitrary string containing at least 2 characters. What is displayed by the following code segment?

```
print(s[0], s[len(s) - 1])
```

1. The first character of `s`, followed immediately by the second last character of `s`.
2. The first character of `s`, followed immediately by the last character of `s`.
3. The first character of `s`, followed by a space, followed by the second last character of `s`.
4. The first character of `s`, followed by a space, followed by the last character of `s`.

Title

Display specific characters from a string

type

mc

Section

2.4.1 The String Type

id

testbank-py-1-ch02-65

66. What is the value of `words` after the following code segment?

```
words = "Hello" + "World" * 3
```

1. "HelloWorldWorldWorld"
2. "Hello World World World"
3. "HelloWorldHelloWorldHelloWorld"
4. "Hello World Hello World Hello World"

Title

String Concatenation and Repetition

type

mc

Section

2.4.2 Concatenation and Repetition

id

testbank-py-1-ch02-66

67. Which of the following statements causes Python to report an error?

1. `x = 17 + 18.4`
2. `x = 17 + "18.4"`
3. `x = 17 + int(18.4)`
4. `x = 17 + float("18.4")`

Title

Working with Numbers and Strings

type

mc
Section
2.4.3 Converting Between Numbers and Strings
id
testbank-py-1-ch02-67

68. What letter is displayed by the following code segment?

```
title = "Python for Everyone"  
print(title[3])
```

1. e
2. h
3. o
4. t

Title
Identify a character within a string
type
mc
Section
2.4.4 Strings and Characters
id
testbank-py-1-ch02-68

69. Consider the following code segment:

```
product = "Cookies"  
product = product.lower()
```

After this code segment executes, the value of the `product` variable is:

1. "cookies"
2. "cOOKIES"
3. "Cookies"
4. "COOKIES"

Title
Trace code that invokes the lower method on a string
type
mc
Section
2.4.5 String Methods

id
testbank-py-1-ch02-69

70. Consider the following code segment:

```
title = "Python for Everyone"  
newTitle = title.replace("e", "*")
```

After this code runs, the value stored in `newTitle` is:

1. "Python for *veryone"
2. "Python for Ev*ryone"
3. "Python for Ev*ryon*"
4. "Python for *v*ryon*"

Title

Trace code that invokes the `replace` method on a string
type

mc

Section

2.4.5 String Methods

id

testbank-py-1-ch02-70

71. What is displayed by the following code segment?

```
print("\\"Hello World!\\")
```

1. Hello World!
2. "Hello World!"
3. \\"Hello World!\"
4. The program reports an error

Title

Trace code that includes escape sequences

type

mc

Section

2.4.5 String Methods

id

testbank-py-1-ch02-71

72. What function is used to read a value from the keyboard?

1. `input`
2. `print`
3. `keyboard`
4. `next`

Title

What function is used to read input from the keyboard?

type
mc
Section
2.5 Input and Output
id
testbank-py-2-ch02-72
from
testbank-py-1-ch02-72

73. The message used to tell the user what input is expected is known as a(n):

1. input
2. keyword
3. comment
4. prompt

Title
The message used to tell the user what input is expected is known as a(n):
type
mc
Section
2.5 Input and Output
id
testbank-py-2-ch02-73
from
testbank-py-1-ch02-73

74. What is the data type of the value returned by the input function?

1. integer
2. string
3. float
4. character

Title
What is the data type of the value returned by the input function?
type
mc
Section
2.5 Input and Output
id
testbank-py-2-ch02-74
from
testbank-py-1-ch02-74

75. Which statement correctly saves the price in the variable `cost`?

```
userInput = input("Please enter the price:")
```

1. `cost = float(userInput)`
2. `cost = userInput`
3. `cost = int(userInput)`

```
4. cost = float[userInput]
```

Title

Which statement correctly saves the price in the variable cost?

type

mc

Section

2.5 Input and Output

id

testbank-py-1-ch02-75

76. Which statement correctly saves the number of items in the variable quantity?

```
userInput = input("Please enter the quantity:")
```

1. quantity = float(userInput)
2. quantity = userInput
3. quantity = int(userInput)
4. quantity = int[userInput]

Title

Which statement correctly saves the price in the variable quantity?

type

mc

Section

2.5 Input and Output

id

testbank-py-1-ch02-76

77. What is printed by the following code snippet?

```
cost = 25.45378  
print("%.2f" % cost)
```

1. 25.45378
2. %25.45
3. 25.45
4. nothing, there is an error

Title

Which is printed by the following code snippet?

type

mc

Section

2.5 Input and Output

id

testbank-py-1-ch02-77

78. Which output format string correctly allows for 5 positions before and two digits after the decimal point?

1. "%8.2f"
2. "%5.2f"
3. "%7.2f"
4. "%5d.2f"

Title

Which output format string correctly allows for 5 positions before and two digits after the decimal point?

type

mc

Section

2.5 Input and Output

id

testbank-py-1-ch02-78

79. Which output format correctly prints an item description left justified with up to 10 letters?

1. "%10"
2. "%10s"
3. "%-10s"
4. "-%10s"

Title

Which output format correctly prints an item description left justified with up to 10 letters?

type

mc

Section

2.5 Input and Output

id

testbank-py-1-ch02-79

80. What is the output for the following code snippet:

```
area = 25
print("The area is %05d" % area)
```

1. The area is 25
2. nothing, there is an error in the code snippet
3. The area is 00025
4. The area is 25

Title

What is the output for the following code snippet?

type

mc

Section

2.5 Input and Output

id
testbank-py-1-ch02-80

81. Consider the following code segment:

```
a = input("Enter the value of a: ")  
b = input("Enter the value of b: ")  
print(a + b)
```

When this code segment is run the user enters 1 at the first prompt and 5 at the second prompt. The output displayed is:

1. 1
2. 6
3. 15
4. 1 + 5

Title
Trace code that reads two values from the user
type
mc
Section
2.5.1 User Input
id
testbank-py-1-ch02-81

82. The line of code which reads a value from the user and stores it in a variable named `x` as a floating-point value is:

1. `x = float()`
2. `x = input("Enter the value of x: ")`
3. `x = float(input("Enter the value of x: "))`
4. `x = input(float())`

Title
Read numerical input from the user
type
mc
Section
2.5.2 Numerical Input
id
testbank-py-1-ch02-82

83. The line of code that displays the floating point number stored in the variable `x` using 3 decimal places is:

1. `print("%.3f", x)`
2. `print("%.3f" % x)`
3. `print("%3.f", x)`
4. `print("%3.f" % x)`

Title

Format output to 3 decimal places

type

mc

Section

2.5.3 Formatted Output

id

testbank-py-1-ch02-83

84. What output is generated by the following code segment?

```
a = 10.0
b = 0.50
print("The total is %.2f and the tax is %.2f." % (a, b))
```

1. The total is .00 and the tax is .50
2. The total is 10.0 and the tax is 0.5
3. The total is 10.0 and the tax is 0.50
4. The total is 10.00 and the tax is 0.50

Title

Format multiple values in a single output statement

type

mc

Section

2.5.3 Formatted Output

id

testbank-py-1-ch02-84

85. Consider the following code segment:

```
x = 12
print("%d%%" % x)
```

The output generated by this code segment is:

1. 12
2. %12
3. 12%
4. 12%%

Title

Format integer output

type

mc

Section

2.5.3 Formatted Output

id

testbank-py-1-ch02-85

86. Which of the following items is an example of a floating-point literal?

1. 100000
2. 100,000
3. 100000.0
4. 100,000.0

Title

Which of the following items is an example of a floating-point literal?

type

mc

Section

2.1.2 Number Types

id

testbank-py-2-ch02-97

87. Which of the following statements about variable names is **not** correct?

1. Variable names are case sensitive.
2. Variable names can begin with a letter, an underscore or a number.
3. Variable names cannot be reserved words such as `if` and `class`.
4. Variable names cannot contain symbols such as `?` and `%`.

Title

Which statement about variable names is not correct?

type

mc

Section

2.1.3 Variable Names

id

testbank-py-2-ch02-98

88. What convention is normally used when naming constants in a Python program?

1. Constant names are normally written in all capital letters.
2. Constant names normally begin with a `#` character.
3. Constant names normally begin and end with an underscore.
4. Constant names normally begin with a capital letter followed only by numbers.

Title

What convention is normally used when naming constants in a Python program?

type

mc

Section

2.1.4 Constants

id

testbank-py-2-ch02-99

89. A numeric constant that appears in your code without explanation is known as a:

1. floating-point number
2. magic number
3. string
4. variable

Title

What name is given to a numeric constant that appears in your code without explanation?

type

mc

Section

2.1.5 Comments

id

testbank-py-2-ch02-100

90. Which function call will cause Python to report an error?

1. `abs(1, 2)`
2. `max(1, 2)`
3. `min(1, 2)`
4. `round(1, 2)`

Title

Which function call will cause Python to report an error?

type

mc

Section

2.2.4 Calling Functions

id

testbank-py-2-ch02-101

91. Which statement causes A and B to be printed on different lines?

1. `print("AB")`
2. `print("A,B")`
3. `print("A\nB")`
4. `print("A", "B")`

Title

Which statement causes A and B to be printed on different lines?

type

mc

Section

2.4.5 String Methods

id

testbank-py-2-ch02-102