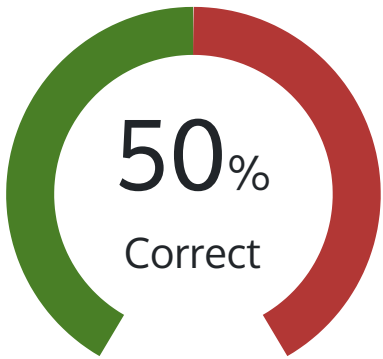


Introduction to Python 3 Programming (Self-Guided)

Pretest

Pretest



6 correct out of 12 questions

December 16, 2024 2:54 AM

1. Which of the following lines of Python code would print out the words "Introduction to Python" on the screen?

- A. PRINT ("Introduction to Python")
- B. PRINT (Introduction to Python)
- ✓ C. print ("Introduction to Python")
- Correct!
- D. print (Introduction to Python)

2. Which Python function is used to get string input from the user?

- ✓ A. input
- Correct!
- B. raw_input
- C. get_input
- ✗ D. string_input
- Incorrect. Although we are attempting to read in string data, this is not the name of the Python function that does this. The correct answer is: input.

3. How do you let Python know to execute multiple statements if the condition of an if statement is true?

- A. All statements that are part of the true path are enclosed in curly braces ({ })
- B. All statements that are part of the true path end with a colon (:)
- ✓ C. All statements that are part of the true path are indented the same amount.
- Correct!
- D. Python doesn't allow you to execute more than one statement when the condition evaluates to true.

4. When is the code in the else clause of a loop executed?

✓ A. This code is executed only if the loop exits normally.

Correct!

✗ B. This code is executed only if the loop doesn't exit normally.

Incorrect. The code in the else clause of a loop structure is not executed if the loop exits from a break statement. The correct answer is: This code is executed only if the loop exits normally.

C. The code is always executed.

D. Never. You can't place an else clause after a looping structure.

5. Which of the following statements regarding parameter lists is correct?

A. If a function doesn't require any parameters, then parentheses aren't used.

B. If more than one parameter is required, each one is separated by a colon.

✓ C. The parameter list is placed in the first line of the function definition, just after the function name.

Correct!

D. Parameters are always listed with the data type first, followed by the variable name.

6. If you were asked to write a class named Car, which of the following would be the name of the constructor function?

A. Car

✗ B. __Car__

Incorrect. Although Car is the name of our class, Python requires that every class use the keyword `__init__` as its constructor's name. The correct answer is: `__init__`.

✓ C. `__init__`

Correct!

D. CarConstructor

7. What is the purpose of the Frame's mainloop method?

A. It adds other widgets to the Frame.

B. It creates the Frame.

C. To pause the program for a specified amount of time.

✓ D. It keeps the Frame open until the user chooses to close it.

Correct!

8. What happens when you attempt to sort a list containing both strings and numbers?

A. The string values will come before all of the numeric values.

✓ B. A syntax error would occur.

Correct!

✗ C. The values will be treated like strings and sorted accordingly.

Incorrect. While this seems like a natural way to handle a situation like this, it's not something that Python 3 allows. The correct answer is: A syntax error will occur.

D. The numeric values will come before all of the string values.

9. What can be said about the output from the following line of code that prints the dictionary, my_dictionary?

```
print (my_dictionary)
```

A. The key-value pairs will be arranged so that the keys are in increasing order.

B. The key-value pairs will be arranged so that the values are in increasing order.

✓ C. There's no guarantee as to what order the key-value pairs will appear in the output.

Correct!

D. Only the values will be printed from this statement.

10. Which of the following flags opens a shelf file for both reading and writing?

A. r+

✗ B. w+

Incorrect. The 'w+' flag opens a regular data file for both reading and writing, but not for a shelf file. The correct answer is: c.

✓ C. c

Correct!

D. None because it isn't possible to open a shelf file for both reading and writing.

11. Which of the following is true regarding exception handling?

A. The statements that may create an exception are put in the except block, and the statements to execute should an exception occur are put in the try block.

✓ B. The statements that may create an exception are put in the try block, and the statements to execute should an exception occur are put in the except block.

Correct!

C. All of the statements are put inside the try block, and typically the except block is left empty.

D. All of the statements are put inside the except block and typically the try block is left empty.

12. Which of the following Tkinter widgets allows the user to enter text data into the program?

✗ A. Textbox.

Incorrect. Although many other languages call these components Textboxes, this isn't the term for the text input widget in Tkinter. The correct answer is: Entry.

✓ B. Entry.

Correct!

C. Button.

D. Checkbutton.