

CST-186 Chapter 1 Study Guide**True/False**

Indicate whether the statement is true or false.

- _____ 1. Python is a high-level language.
- _____ 2. Python programs are platform-dependent.
- _____ 3. Python is free software.
- _____ 4. Python is not case-sensitive.
- _____ 5. Comments should be used only by new Python programmers.

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 6. Python is used by which organization(s)?
 - a. NASA
 - b. Google
 - c. Microsoft
 - d. All of these
- _____ 7. What will the following code display?

```
print "Game Over!"
```

 - a. Game Over!
 - b. "Game Over!"
 - c. print "Game Over!"
 - d. None of these
- _____ 8. What will the following code display?

```
PRINT "Game Over!"
```

 - a. Game Over!
 - b. "Game Over!"
 - c. print "Game Over!"
 - d. None of these
- _____ 9. What will the following code display?

```
print "Game Over!"
```

 - a. Game Over!
 - b. "Game Over!"
 - c. print "Game Over!"
 - d. None of these

_____ 10. The following is a(n)?

```
print "Game Over!"
```

- | | |
|---------------|--------------|
| a. String | c. Statement |
| b. Expression | d. Comment |

_____ 11. The following is a(n)?

```
5 + 10
```

- | | |
|---------------|--------------|
| a. String | c. Statement |
| b. Expression | d. Comment |

_____ 12. What mode of IDLE allows you to save programs to run later?

- | | |
|--------------|----------------|
| a. Safe | c. Script |
| b. Moderated | d. Interactive |

_____ 13. What mode of IDLE provides immediate feedback to code?

- | | |
|--------------|----------------|
| a. Safe | c. Script |
| b. Moderated | d. Interactive |

_____ 14. What symbol begins a comment?

- | | |
|-------|------|
| a. # | c. * |
| b. \$ | d. & |

_____ 15. A blank line in a program generally produces what kind of output?

- | | |
|---------------------|------------------------------|
| a. A blank line | c. No output |
| b. An error message | d. An end of program message |

Completion

Complete each statement.

16. A(n) _____ window can display only text.

17. The Python programming language is named after the comedy troupe _____.

18. A(n) _____ error is a violation of the grammar of a programming language, often caused by a typo.

19. A(n) _____ language is closer to human language than machine language.

20. A(n) _____ is a note in a program meant only for programmers and is ignored by the computer.

Matching

Match each item with a statement below

- | | |
|---------------|---|
| a. Bug | d. String |
| b. Expression | e. Integrated Development Environment (IDE) |
| c. Statement | |

- ____ 21. Something which has a value or that can be evaluated to a single value.
- ____ 22. A sequence of characters.
- ____ 23. An error in programming code.
- ____ 24. A single unit in a programming language that performs some action when executed.
- ____ 25. An application that helps software developers write programs.

Short Answer

26. What is a "Hello World" program?
27. How can a programmer use Python's interactive and script modes to be productive?
28. How are comments helpful to programmers?
29. What does it mean for Python to be platform-independent?
30. What is IDLE?