|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. Python programs require two or more modules.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2. The main python module contains the starting point of execution.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3. You can use the # symbol to create a multiline comment.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4. A docstring is another term for a Python variable that holds a string constant.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5. The keyword *while* means the same thing as *While* in Python.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6. In Python, *\_MyVar15* is a valid variable name.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7. To make your program more secure, use obscure variable names such as *xz14dEEa*.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8. The keywords *True* and *False* are floating point values.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9. If you print the string "Hello, it is a very \nice day", there will be two lines of output.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10. Use the comparison operator *!=* to check if one value is not equal to another value.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11. In Python, a variable containing the value 5 will evaluate as true if used with the *and* logical operator.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12. The *input* function returns a numeric value by default.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13. The *print* function outputs a newline by default before its arguments are printed.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14. Standard functions and Python's library functions check the types of their arguments when the function is called.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15. It is good practice to import all names from a module using the \* operator.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16. Indenting code that should be executed when an *if* statement evaluates as true makes your program easier to read, but the indentation is not necessary.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17. The *while* statement uses the syntax *while <Boolean expression>:* and is the preferred control statement to iterate over a definite range of sequences.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18. Strings are compared using ASCII ordering.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19. Strings are mutable objects, which means you can replace their contents.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20. You can use the slice operator to obtain a substring from a string.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21. A literal representation of a list is made using parentheses to enclose items separated by commas.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22. A list mutator is a method used to modify the contents of a list.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23. A tuple is an immutable sequence of items and does not have mutator methods.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 24. The expression *primes = (2, 3, 5, 7, 11)* creates a list named primes.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |

 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25. A dictionary object contains zero or more entries where each entry associates a unique key with a value.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 26. What is the name of the function that contains the starting point of program execution?

|  |  |  |
| --- | --- | --- |
|   | a.  | start |
|   | b.  | main |
|   | c.  | begin |
|   | d.  | enter |

|  |  |
| --- | --- |
| *ANSWER:* | b |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 27. To create an end-of-line comment, which symbol do you use to begin the comment?

|  |  |  |
| --- | --- | --- |
|   | a.  | # |
|   | b.  | \* |
|   | c.  | / |
|   | d.  | @ |

|  |  |
| --- | --- |
| *ANSWER:* | a |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 28. What can you use a *docstring* for?

|  |  |  |
| --- | --- | --- |
|   | a.  | to hold the name of a document file |
|   | b.  | to create a large string variable |
|   | c.  | to hold data of type string |
|   | d.  | to create a multiline comment |

|  |  |
| --- | --- |
| *ANSWER:* | d |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29. Which of the following is true about Python keywords?

|  |  |  |
| --- | --- | --- |
|   | a.  | they can begin with a number, letter, or hyphen |
|   | b.  | they are case sensitive |
|   | c.  | they are written in uppercase |
|   | d.  | they can be a maximum of 6 characters long |

|  |  |
| --- | --- |
| *ANSWER:* | b |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 30. Which statement is true about Python syntax?

|  |  |  |
| --- | --- | --- |
|   | a.  | a code block must begin with a left brace |
|   | b.  | each code statement must end with a semicolon |
|   | c.  | white space is ignored |
|   | d.  | blocks of code are indicated by indentation |

|  |  |
| --- | --- |
| *ANSWER:* | d |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 31. What keywords does Python use for Boolean values?

|  |  |  |
| --- | --- | --- |
|   | a.  | Yes, No |
|   | b.  | On, Off |
|   | c.  | True, False |
|   | d.  | Set, Unset |

|  |  |
| --- | --- |
| *ANSWER:* | c |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 32. What symbol is used to insert a tab in a string?

|  |  |  |
| --- | --- | --- |
|   | a.  | \t |
|   | b.  | [TAB] |
|   | c.  | /t |
|   | d.  | @tab |

|  |  |
| --- | --- |
| *ANSWER:* | a |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 33. Which comparison operation returns True if variable x is not equal to variable y?

|  |  |  |
| --- | --- | --- |
|   | a.  | x .ne. y |
|   | b.  | x neq y |
|   | c.  | x <> y |
|   | d.  | x != y |

|  |  |
| --- | --- |
| *ANSWER:* | d |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 34. Assume x is equal to 5 and y is equal to 0. Which comparison operation returns True?

|  |  |  |
| --- | --- | --- |
|   | a.  | x == y or y |
|   | b.  | y < 5 and y |
|   | c.  | (x > y) and x |
|   | d.  | x > 0 and None |

|  |  |
| --- | --- |
| *ANSWER:* | c |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35. With what character does the print function terminate its output by default?

|  |  |  |
| --- | --- | --- |
|   | a.  | newline |
|   | b.  | null |
|   | c.  | period |
|   | d.  | space |

|  |  |
| --- | --- |
| *ANSWER:* | a |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 36. What keyword is used to make a multiway *if* statement?

|  |  |  |
| --- | --- | --- |
|   | a.  | else |
|   | b.  | elif |
|   | c.  | then |
|   | d.  | elseif |

|  |  |
| --- | --- |
| *ANSWER:* | b |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 37. Which statement allows a programmer to run a module as a standalone program or import it from the shell?

|  |  |  |
| --- | --- | --- |
|   | a.  | do \_module(main) |
|   | b.  | while main != \_module |
|   | c.  | if self == "main()": |
|   | d.  | if \_\_name\_\_ == "\_\_main\_\_": |

|  |  |
| --- | --- |
| *ANSWER:* | d |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 38. What is the output of the following code?sum = 0value = 3while value <= 5: sum += value value += 1print(sum)

|  |  |  |
| --- | --- | --- |
|   | a.  | 15 |
|   | b.  | 10 |
|   | c.  | 12 |
|   | d.  | 18 |

|  |  |
| --- | --- |
| *ANSWER:* | c |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 39. What is the output of the following code?sum = 0for value in range(1,4): sum += valueprint(sum)

|  |  |  |
| --- | --- | --- |
|   | a.  | 5 |
|   | b.  | 10 |
|   | c.  | 4 |
|   | d.  | 6 |

|  |  |
| --- | --- |
| *ANSWER:* | d |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 40. What is the output of the following code?sum = 0for value in range(1,4): if value == 2: sum = sum\*\*2 sum += valueprint(sum)

|  |  |  |
| --- | --- | --- |
|   | a.  | 6 |
|   | b.  | 12 |
|   | c.  | 8 |
|   | d.  | 16 |

|  |  |
| --- | --- |
| *ANSWER:* | a |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 41. What are the values of variables x, y, and z after the following code is run?y = 0z = 0for x in range(5,7): if y > z: z, y = y, z y = y + x;

|  |  |  |
| --- | --- | --- |
|   | a.  | x == 7, y == 11, z == 6 |
|   | b.  | x == 6, y == 6, z == 5 |
|   | c.  | x = 6, y == 5, z == 6 |
|   | d.  | x == 7, y == 12, z == 5 |

|  |  |
| --- | --- |
| *ANSWER:* | b |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 42. What is the value of z after the following code is run?y = 0z = 0for x in range(5,8): z = max(x, y) y = y + x

|  |  |  |
| --- | --- | --- |
|   | a.  | 18 |
|   | b.  | 11 |
|   | c.  | 7 |
|   | d.  | 13 |

|  |  |
| --- | --- |
| *ANSWER:* | b |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 43. What is the value of string1 after the following statement is executed?string1 = "hello"[:3] + "python"[0]

|  |  |  |
| --- | --- | --- |
|   | a.  | lpython |
|   | b.  | llo |
|   | c.  | help |
|   | d.  | lop |

|  |  |
| --- | --- |
| *ANSWER:* | c |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 44. What is the last line of the output when the following code is executed?x = 2for exp in range (5): print ("%2d.0" % x\*\*exp)

|  |  |  |
| --- | --- | --- |
|   | a.  | 8.0 |
|   | b.  | 16 |
|   | c.  | 32 |
|   | d.  | 16.0 |

|  |  |
| --- | --- |
| *ANSWER:* | d |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 45. What is the value of newList after the following code is executed?newList = ["George", "John", "Thomas", "James"]newList.pop()newList.append("Andrew")

|  |  |  |
| --- | --- | --- |
|   | a.  | ["George", "John", "Thomas", "James", "Andrew"] |
|   | b.  | ["George", "John", "Thomas", "Andrew"] |
|   | c.  | ["Andrew", "John", "Thomas", "James"] |
|   | d.  | ["Andrew", "George", "John", "Thomas", "James"] |

|  |  |
| --- | --- |
| *ANSWER:* | b |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 46. Which of the following statements creates a tuple containing four items?

|  |  |  |
| --- | --- | --- |
|   | a.  | t = [1: 2: 3: 4] |
|   | b.  | t = {1, 2, 3, 4} |
|   | c.  | t = <1; 2; 3; 4> |
|   | d.  | t = (1, 2, 3, 4) |

|  |  |
| --- | --- |
| *ANSWER:* | d |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 47. What is the last line of output of the following code?pres = {1:"Washington", 16:"Lincoln", 35: "Kennedy", 40:"Reagan"}for nth in pres: print("%2d:" % nth,pres[nth])

|  |  |  |
| --- | --- | --- |
|   | a.  | 35: Kennedy |
|   | b.  | 40: Reagan |
|   | c.  | 03: Kennedy |
|   | d.  | 04: Reagan |

|  |  |
| --- | --- |
| *ANSWER:* | b |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 48. Which of the following correctly defines a function named myFunc?

|  |  |  |
| --- | --- | --- |
|   | a.  | def myFunc(): |
|   | b.  | func myfunc: |
|   | c.  | myfunc()# |
|   | d.  | int myFunc: |

|  |  |
| --- | --- |
| *ANSWER:* | a |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 49. How do you describe a function that calls itself?

|  |  |  |
| --- | --- | --- |
|   | a.  | self\_calling function |
|   | b.  | iterative function |
|   | c.  | derivative function |
|   | d.  | recursive function |

|  |  |
| --- | --- |
| *ANSWER:* | d |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50. Select the answer that should be used to replace the missing code in the following statements.​myList = list()fileObj = open("myfile.dat", "rb")while True: try: item = pickle.load(fileObj) myList.append(item) <*missing code>* fileObj.close() breakprint(myList)​​

|  |  |  |
| --- | --- | --- |
|   | a.  | if EOF: |
|   | b.  | elif Error: |
|   | c.  | except EOFError: |
|   | d.  | else while TRUE: |

|  |  |
| --- | --- |
| *ANSWER:* | c |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 51. In a class definition, what type of method uses the values of the object's instance variables without changing them?

|  |  |  |
| --- | --- | --- |
|   | a.  | constructor |
|   | b.  | accessor |
|   | c.  | instance |
|   | d.  | mutator |

|  |  |
| --- | --- |
| *ANSWER:* | b |

 |