

Final Exam

94.4%

Your grade is determined by your only attempt.

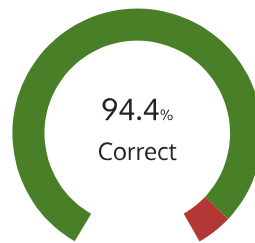
 Instructions

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94.4%

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 0 Attempts Remaining



34 correct out of 36 questions

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17. Which of the following statements is correct regarding the relationship between classes and objects?

A. A class and an object both describe the exact same thing.

B. An object is a blueprint that is used to create individual classes.

✓ C. A class is a blueprint that is used to create individual objects.

Correct!

D. Objects refer to blueprints created for real-world things, while classes refer to blueprints created for programming concepts.

18. Which of the following could be the first line of code for a class called, Employee?

✓ A. class Employee:

Correct!

B. def class Employee:

C. class Employee(self):

D. def class Employee(self):

19. Which of the following lines of code will create a Canvas widget that is 100 pixels wide, 300 pixels tall, and has red as the background color?

✓ A. myCanvas = Canvas(width=100, height=300, bg="red")

✗ B. myCanvas = Canvas(width=100, height=300, bg=red)

Incorrect. When you specify a text value, you're required to put it inside quotes. The correct answer is: myCanvas = Canvas(width=100, height=300, bg="red") (Lesson 7, Chapter 2)

C. `myCanvas = Canvas(100, 300, bg="red")`

D. `myCanvas = Canvas(100 300 "red")`

20. Which of the following lines of code starts a class named Car that inherits from the class Vehicle?

A. `class Car()` inherits from Vehicle:

B. `class Car() : Vehicle():`

✓ C. `class Car(Vehicle):`

Correct!

D. `class Vehicle(Car):`

21. Which of the following lines of code creates a square starting at (10, 10) where each side has length 15?

✓ A. `myCanvas.create_rectangle(10, 10, 25, 25)`

Correct!

B. `myCanvas.create_rectangle(10, 10, 15, 15)`

C. `myCanvas.create_rectangle(10, 10, 15)`

D. `myCanvas.create_square(10, 10, 15)`

22. Which of the following characters encloses the values of a tuple?

✓ A. `()`

Correct!

B. `[]`

C. `{ }`

D. `< >`

23. Which of the following lines of code will print the number of items in the list `my_list`?

A. `count(my_list)`

✓ B. `len(my_list)`

Correct!

C. `length(my_list)`

D. `my_list.length`

24. Which of the following functions adds the individual elements of one list to another list?

✗ A. `append()`

Incorrect. The append function adds a single value to the end of the list. The correct answer is: `extend()` (Lesson 8, Chapter 3)

✓ B. `extend()`

C. add()

D. insert()

25. What does the dictionary function items() return?

✓ A. A list containing all of the key-value pairs as tuples.

Correct!

B. A list containing all of the key-value pairs as lists.

C. A tuple of all the keys.

D. A tuple of all the values.

26. If you had a dictionary used to associate students' names with their test scores, which of the following lines of code would print the test score for a student named Sam?

A. print (scores.get['Sam'])

B. print (scores.get(Sam))

✓ C. print (scores.get('Sam'))

Correct!

D. print (scores.get(90))

27. What does the dictionary function update() do?

A. It allows the programmer to change the value stored at a particular key in the dictionary.

✓ B. It allows the programmer to combine two dictionaries.

Correct!

C. It allows the programmer to remove all values in the dictionary that don't have a key.

D. It allows the programmer to remove all the keys in the dictionary that don't have a value.

28. If you open an empty data file for writing and execute the following lines of code, what would the contents of the file look like?

```
colors = ['blue', 'white']  
outfile.write("colors")  
outfile.writelines(colors)  
outfile.close( )
```

A. colors
blue
white

✓ B. colorsbluewhite

Correct!

C. colors
bluewhite

D. colors blue white

29. Which of the following characters will move the output cursor to the next line?

✓ A. `\n`

Correct!

B. `\r`

C. `\t`

D. `\a`

30. Which of the following lines of code will create an object named, myfile and open an output file named, data.txt?

A. `myfile = open('data.txt', 'r')`

B. `data.txt = myfile.open('w')`

✓ C. `myfile = open('data.txt', 'w')`

Correct!

D. `data.txt = open(myfile, 'w')`

31. What happens if the code in your try block doesn't generate an exception and there are two blocks that handle exceptions?

✓ A. None of the exception handling code will run.

Correct!

B. Only the code in the first set of exception handling code will run.

C. The code in both exception handling blocks will run.

D. The program will crash.

32. Which of the following statements will be part of the code that handles both an IOError and ValueError exception?

A. `except IOError, ValueError:`

B. `exception (IOError, ValueError):`

✓ C. `except (IOError, ValueError):`

Correct!

D. `except: (IOError, ValueError)`

