

## Feedback — Quiz 0

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You submitted this quiz on **Tue 24 Feb 2015 4:39 PM CET**. You got a score of **97.50** out of **100.00**. You can [attempt again](#), if you'd like.

### Question 1

Which of the following are syntactically correct strings?

Try each of them in [CodeSkulptor](#).

Your Answer	Score	Explanation
<input type="checkbox"/> Hello	✓ 1.25	This is not a string. A string must have quotation marks.
<input type="checkbox"/> [Hello]	✓ 1.25	This is not a string. A string must use quotation marks.
<input checked="" type="checkbox"/> 'Hello, world.'	✓ 2.50	This is a string. You can use single-quotes.
<input checked="" type="checkbox"/> "Hello, world."	✓ 2.50	This is a string. You can use double-quotes.
<input type="checkbox"/> "It's a beautiful day."	✗ 0.00	This is a string. A single-quote (apostrophe) can appear inside double-quotes.
Total	7.50 / 10.00	

### Question 2

To display a value in the console, what Python keyword do you use?

You entered:

```
print
```

Your Answer		Score	Explanation
print	✓	10.00	Correct.
Total		10.00 / 10.00	

## Question 3

In the following code, the one line starting with `#` is highlighted in red. What does this line mean to Python?

```
tax_rate = 0.15
income = 40000
deduction = 10000

# Calculate income taxes
tax = (income - deduction) * tax_rate

print tax
```

Your Answer	Score	Explanation
<input type="radio"/> This is a syntax error.		
<input type="radio"/> This text is printed on the console.		
<input type="radio"/> This text is used as a file name for the code.		
<input type="radio"/> The text is stored in a special variable called <code>#</code> .		
<input checked="" type="radio"/> This is a comment aimed at the human reader. Python ignores such comments.	✓ 10.00	
Total	10.00 / 10.00	

## Question 4

Which of the following arithmetic expressions are syntactically correct?

Try each of them in [CodeSkulptor](#).

Your Answer	Score	Explanation
<input type="checkbox"/> <code>5 * 3 (7 - 2)</code>	✓ 2.00	This example has incorrect syntax. This is missing an operator between 3 and (7-2).
<input checked="" type="checkbox"/> <code>(8 + (1 + (2 * 4) - 3))</code>	✓ 2.00	This example has correct syntax.
<input type="checkbox"/> <code>9 - (2 - (4 * 3)</code>	✓ 2.00	This example has incorrect syntax. This is missing closing parenthesis.
<input checked="" type="checkbox"/> <code>5 - 1 - 3 - 7 - 0</code>	✓ 2.00	This example has correct syntax.
<input checked="" type="checkbox"/> <code>8 / -2</code>	✓ 2.00	This example has correct syntax. You can put a negative sign in front of a number like this.
Total	10.00 / 10.00	

## Question 5

You would like to make it so that the variable `ounces` has the value 16, thus representing one pound. What simple Python statement will accomplish this?

Your Answer	Score	Explanation
<input checked="" type="checkbox"/> <code>ounces = 16</code>	✓ 8.00	
<input type="checkbox"/> <code>ounces == 16</code>	✓ 1.00	Means something different
<input type="checkbox"/> <code>16 = ounces</code>	✓ 1.00	Invalid syntax.

Total

10.00 / 10.00

## Question 6

A gram is equal to 0.035274 ounces. Assume that the variable `mass_in_ounces` has a value representing a mass in ounces. Which arithmetic expressions below using the variable `mass_in_ounces` represent the equivalent mass in grams?

Think about it mathematically, but also test these expressions in CodeSkulptor. If you are still confused, you might check out the student tutorial video by Kelly on unit conversions in the ["Concepts and Examples"](#) page.

Your Answer	Score	Explanation
<input type="checkbox"/> <code>0.035274 * mass_in_ounces</code>	✓ 0.67	
<input type="checkbox"/> <code>mass_in_ounces * 0.035274</code>	✓ 0.67	
<input type="checkbox"/> <code>0.035274 / mass_in_ounces</code>	✓ 0.67	
<input checked="" type="checkbox"/> <code>mass_in_ounces / 0.035274</code>	✓ 8.00	
Total	10.00 / 10.00	

## Question 7

Which of the following can be used as a variable name?

Try using each in [CodeSkulptor](#).

Your Answer	Score	Explanation
<input checked="" type="checkbox"/> <code>MYnumber</code>	✓ 2.00	This is a valid variable name. However, convention says that Python variables shouldn't start with a capital letter.

<input checked="" type="checkbox"/>	✓	2.00	This is a valid variable name., You can use underscores.
<input checked="" type="checkbox"/>	✓	1.00	No, this is not a valid variable name. You cannot use parentheses in a variable name.
<input checked="" type="checkbox"/>	✓	2.00	This is a valid variable name.
<input type="checkbox"/>	✓	1.00	No, this is not a valid variable name. A variable name cannot begin with digits.
<input checked="" type="checkbox"/>	✓	2.00	This is a valid variable name.
Total		10.00 / 10.00	

## Question 8

Assume you have values in the variables `x` and `y`. Which statement(s) would result in `x` having the sum of the current values of `x` and `y`?

Test your answer in [CodeSkulptor](#).

Your Answer	Score	Explanation
<input checked="" type="checkbox"/> <code>x = y + x</code>	✓ 4.00	
<input checked="" type="checkbox"/> <code>x = x + y</code>	✓ 4.00	
<input type="checkbox"/> <code>x += x + y</code>	✓ 1.00	
<input type="checkbox"/> <code>y += x</code>	✓ 1.00	
Total		10.00 / 10.00

## Question 9

Python file names traditionally end in what characters after a period? Don't include the period.

You entered:

py

Your Answer		Score	Explanation
py	✓	10.00	
Total		10.00 / 10.00	

## Question 10

We encourage you to save your CodeSkulptor Python files where?

Your Answer	Score	Explanation
<input type="radio"/> In "the cloud" only		
<input type="radio"/> Nowhere — CodeSkulptor automatically saves your files for you		
<input checked="" type="radio"/> In "the cloud" and on your computer	✓ 10.00	Correct.
<input type="radio"/> On your computer only		
Total	10.00 / 10.00	