Feedback — Quiz 0

Authentication is not required for this quiz.

You submitted this quiz on **Wed 17 Sep 2014 9:03 AM WEST**. You got a score of **100.00** out of **100.00**.

Question 1

Which of the following are syntactically correct strings?

Try each of them in CodeSkulptor.

Your Answer		Score	Explanation
☑ `'Hello'`	✔	2.50	This is a string. You can use single-quotes.
☑ `"Hello"`	✔	2.50	This is a string. You can use double-quotes.
☑ `"'ello"`	✔	2.50	This is a string. A single-quote (apostrophe) can appear inside double-quotes.
☐ `[Hello]`	✔	1.25	This is not a string. A string must use quotation marks.
☐ `"Hello`	✔	1.25	This is not a string. It is missing a closing double-quote.
Total		10.00 / 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
◯ This text is used as a file name for the code.		
◯ This text is printed on the console.		
◯ This is a syntax error.		
◯ The text is stored in a special variable called `#` .		
◉ 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
☐ `9 + * 4`	✔ 2.00	This example has incorrect syntax. The two operators `+` `*` together like this are meaningless.
☐ `5 * 3 (7 - 2)`	✔ 2.00	This example has incorrect syntax. This is missing an operator between 3 and (7-2).
☑ `(8 + (1 + (2 * 4) - 3))`	✔ 2.00	This example has correct syntax.
☑ `8 / -2`	✔ 2.00	This example has correct syntax. You can put a negative sign in front of a number like this.
☑ `5 - 1 - 3 - 7 - 0`	✔ 2.00	This example has correct syntax.
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
☑ `ounces = 16`	✔ 8.00	
☐ `ounces == 16`	✔ 1.00	Means something different
☐ `16 = ounces`	✔ 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
☐	`mass_in_ounces * 0.035274`	✔ 0.67	
☑	`mass_in_ounces / 0.035274`	✔ 8.00	
☐	`0.035274 * mass_in_ounces`	✔ 0.67	
☐	`0.035274 / mass_in_ounces`	✔ 0.67	
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
☐ `16ounces`	✔ 1.00	No, this is not a valid variable name. A variable name cannot begin with digits.
☑ `__number__`	✔ 2.00	This is a valid variable name. However, convention says that Python variable names starting and ending with underscores only in special circumstances.
☑ `MYnumber`	✔ 2.00	This is a valid variable name. However, convention says that Python variables shouldn't start with a capital letter.
☑ `number123`	✔ 2.00	This is a valid variable name.
☑ `ounces`	✔ 2.00	This is a valid variable name.
☐ `my-number`	✔ 1.00	No, this is not a valid variable name. You cannot use a dash in a variable name. The dash is interpreted as a minus sign.

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
☐ `y += x`	✔	1.00	
☑ `x = x + y`	✔	4.00	
☑ `x = y + x`	✔	4.00	
☐ `x += y + x`	✔	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
⦿ In "the cloud" and on your computer	✔ 10.00	Correct.
○ In "the cloud" only		
○ Nowhere — CodeSkulptor automatically saves your files for you		
○ On your computer only		
Total	10.00 / 10.00	