

Quiz 1

Instructions

1. Answer all questions.
2. Since this is a practice quiz, it's an exercise, so you **may** work on it together.
3. However, I'd **recommend** you complete it yourself under test-like conditions, without accessing any external resources (the course website, a Python interpreter, etc.) until after you've finished.

Computation



Instructions

[Show Correct Answer](#)

[Show Responses](#)

Which part of a computer executes instructions?

A

CPU

B

I/O

C

Memory



Furniture

[Show Correct Answer](#)

[Show Responses](#)

Which of the following is an example of **imperative** knowledge?

A

A furniture designer's inspiration

B

Instructions for assembling a piece of furniture

C

The height of a piece of furniture

D

Which wood a piece of furniture is made from

Which of the following sentences contain **syntactic** errors? Choose "Error" if the sentence contains a **syntactic** error or "No error" if it does not.



Sentence 1

VERSION A

VERSION B

VERSION C

VERSION D

The secret code they created made no sense, even to them.

A

Error

B

No error



Sentence 2

VERSION A

VERSION B

VERSION C

VERSION D

The stranger the meal.

A

Error

B

No error

Expressions



Literal types

[Show Correct Answer](#)

[Show Responses](#)

What type of literal is each of the following?

Premise

| | |
|---|-------------------|
| 1 | 42 |
| 2 | 42j |
| 3 | 1 |
| 4 | 1.0 |
| 5 | '10e10' |
| 6 | 1e1 |
| 7 | True |
| 8 | """"ENGI 1020"""" |



Response

| | |
|---|-----------|
| A | bool |
| E | str |
| F | float |
| D | imaginary |
| E | str |
| F | float |
| H | int |
| H | int |



Invalid expression

[Show Correct Answer](#)[Show Responses](#)Which of the following is **not** a valid Python expression?

| | |
|---|----------------------|
| A | 42 |
| B | 42j |
| C | 5000_00 |
| D | 0 / 1 * 2 |
| E | 'What is your name?' |
| F | False |

G python_rules

H $x = y * z$

 **Expression evaluation**

VERSION A VERSION B

 **Case sensitive:** The answer for this question is case sensitive

What will the expression $(a--b*c) <= 1e10$ evaluate to, given:

$a = 3$

$b = 2$

$c = 1$

 **Expression evaluation 2**

VERSION A VERSION B VERSION C

Given the values $x=100$ and $y=2$, what will the expression $x + 3 \% y$ evaluate to?

 **Boolean operations**

VERSION A VERSION B VERSION C VERSION D

Given $p = \text{True}$, $q = \text{False}$ and $r = \text{True}$, what will the following expression evaluate to?
 $p \text{ and } q \text{ or } r$

A True

B False

