Graded Quiz Unit 3 Attempt review

Programming 1 (University of the People)

Question 1

Correct   Mark 1.00 out of 1.00

What output will the following Python statements produce?

>>> percentage = (60.0 * 100.0) / 55.0
>>> print (percentage)

Select one:

- a.   percentage
- b.   109
- c.   109.0909090909091 ✔
- d.   109.0

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What is the output of the following Python statements?

percentage = (60 * 100) // 55 print
(percentage)

Select one:

- a.   percentage
- b.   109 ✔
- c.   109.0909090909091
- d.   109.0

The correct answer is: 109.0909090909091

Your answer is correct.

The correct answer is: argument

Question   Correct   Mark 1.00 out of 1.00

Your answer is correct.

The correct answer is: 109

Question 3   Correct   Mark 1.00 out of 1.00

What do we call the value provided to a function when the function is called (which is assigned to the corresponding **parameter** in the function)?

Select one:

- ⊙ a.   argument ✓
- ○ b.   return value
- ○ c.   method
- ○ d.   the special value None
- ○ e.   global variable

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When de ning a Python function that has no parameters, the parentheses that follow the function's name are optional.

Select one:

- ○ True
- ⊙ False ✓

The correct answer is 'False'.

Question 5   Correct   Mark 1.00 out of 1.00

Question   Correct   Mark 1.00 out of 1.00

Which of the following is an **invalid** Python assignment statement?

Select one:

- a.   a = b = 123
- ○ b.   '3' = 3 ✓
- c.   x = int("123")
- d.   y = None
- e.   z = "hi" * 10

> Your answer is correct.
>
> The correct answer is: '3' = 3

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What output will the following Python statement produce?

>>> print (2*3-1)

Select one:

- a. 6
- ○ b. 5 ✓
- c. 4
- d. 3

> The correct answer is: 5

Question 7   Correct   Mark 1.00 out of 1.00

In Python, the '+' operator can be used with numbers and with strings. What is a property that number addition has, but string concatenation **does not**?

Select one:

- a. Numeric addition is allowed on right-hand side of assignment statement.
- b. More than one numeric addition per expression is allowed.
- ◉ c. The expression value does not depend on the order of numeric addition operands. ✓
- d. Numeric addition is fast to execute.
- e. Numeric addition needs two operands.

Your answer is correct.

The correct answer is: The expression value does not depend on the order of numeric addition operands.

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Python functions may or may not take arguments and may or may not return a result.

Select one:

◉ True ✓ False
○

The correct answer is 'True'.

Which one of the following Python expressions generates a **syntax error**?

Select one:

Question   Correct   Mark 1.00 out of 1.00

- a.   2 ^ 2
- b.   2 ** 2
- c.   2 +- 2
- d.   2 += 2 ✔
- e.   2 -+ 2

Your answer is correct.

The correct answer is: 2 += 2

Question

Correct   Mark 1.00 out of 1.00

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Using keywords for variable names will result in a _____

Select one:

   ○ a. runtime error

   ○ b. compile error

   ◉ c. syntax error ✔

   ○ d. semantic error

The correct answer is: syntax error

Question 11

Correct   Mark 1.00 out of 1.00

What is the output of the following Python 3 statements?

x=2 y=1
if x == y:
   print (x, "and", y, "are equal") else:
  if x < y:
    print (x, "is less than", y)
else:
    print (x, "is greater than", y)

Select one:

   ○ a. 1 and 2 are equal

   ○ b. 1 is less than 2

   ○ c. 1 is greater than 2

   ◉ d. 2 is greater than 1 ✔

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Correct   Mark 1.00 out of 1.00

Your answer is correct.

The correct answer is: 2 is greater than 1

Question

What output will the following Python 3 statement produce?

>>> print (1,000,000)

Select one:

- ○ a. 1.0
- ○ b. 1,000,000
- ◉ c. 1 0 0 ✔
- ○ d. Error invalid type

The correct answer is: 1 0 0

Question 13　　Correct　　Mark 1.00 out of 1.00

Consider the following text from a Python interpreter.

>>> print(2 + 2)
4

What is the text "4" called?

Select one:

- ○ a. a function
- ○ b. an operator
- ○ c. a prompt
- ○ d. a statement
- ◉ e. a value ✔

Your answer is correct.

The correct answer is: a value

The % or modulus operator returns the remainder from dividing two numbers.

Question 14

Correct   Mark 1.00 out of 1.00

Select one:

⊙ True ✔

◯ False

The correct answer is 'True'.

Question 15

Match concepts with their de nition!

Question 16

Correct   Mark 1.00 out of 1.00

Any one of the languages that people have designed for specic purposes, such as representing mathematical ideas or computer programs; all programming languages are this kind of languages.

[formal language ▼]   ✓

Any one of the languages that people speak that evolved naturally.

[natural language ▼]   ✓

An error that does not occur until the program has started to execute but that prevents the program from continuing.

[runtime error ▼]   ✓

An error in a program that makes it do something other than what the programmer intended.

[semantic error ▼]   ✓

The meaning of a program.

[semantics ▼]   ✓

The structure of a program.

[syntax ▼]   ✓

An error in a program that makes it impossible to parse — and therefore impossible to interpret.

[semantic error ▼]   ✗

One of the basic elements of the syntactic structure of a program, analogous to a word in a natural language.

[token ▼]   ✓

The correct answer is: Any one of the languages that people have designed for specic purposes, such as representing mathematical ideas or computer programs; all programming languages are this kind of languages. → formal language, Any one of the languages that people speak that evolved naturally. → natural language, An error that does not occur until the program has started to execute but that prevents the program from continuing. → runtime error, An error in a program that makes it do something other than what the programmer intended. → semantic error, The meaning of a program. → semantics, The structure of a program. → syntax, An error in a program that makes it impossible to parse — and therefore impossible to interpret. → syntax error, One of the basic elements of the syntactic structure of a program, analogous to a word in a natural language. → token

Consider the following text from a Python interpreter.

Question

>>> print(2 + 2)

4

What is the text "+" called?

Select one:

○ a. a function

◉ b. an operator ✔

○ c. a prompt

○ d. a statement

○ e. a value

Your answer is correct.

The correct answer is: an operator

Question 17   Correct   Mark 1.00 out of 1.00

If you assign the result of calling a void function to a variable in Python, you get:

Select one:

○ a. an empty string

○ b. the value -1

○ c. the value 0

◉ d. the special value None ✔

○ e. an exception

18   Incorrect   Mark 0.00 out of 1.00

What output will the following Python statement produce?

Your answer is correct.

The correct answer is: the special value None

Question 18

Correct   Mark 1.00 out of 1.00

>>> print (2 * (3-1))

Select one:
- ○ a. 6
- ◉ b. 5 ✗
- ○ c. 4
- ○ d. 3

The correct answer is: 4

Question 19

Correct   Mark 1.00 out of 1.00

Learning to debug can be frustrating, but it is a valuable skill that is useful for many activities beyond programming.

Select one:
- ◉ True ✓
- ○ False

The correct answer is 'True'.

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Programmers generally choose names for their variables that are meaningful and document what the variable is used for.

Select one:

◉ True ✔

◯ False

The correct answer is 'True'.

◀ Self-Quiz Unit 3

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