

L03 Ponder: Check Your Understanding

Due Oct 3 at 7:59am**Points** 14**Questions** 10**Time Limit** None**Allowed Attempts** 3

Instructions

Overview

- **Task:** Demonstrate your knowledge of writing and calling functions in Python.
- **Purpose:** Help you reinforce your knowledge of writing and calling functions in programs.

Instructions

- Complete the following quiz.

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Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	2 minutes	14 out of 14
LATEST	Attempt 2	2 minutes	14 out of 14
	Attempt 1	5 minutes	11 out of 14

❗ Correct answers are hidden.

Score for this attempt: **14** out of 14

Submitted Oct 3 at 2:10am

This attempt took 2 minutes.

Question 1

1 / 1 pts

What is the Python keyword that begins a function definition?

☐ begin

☐ func

☐ function☒ def

Question 2

1 / 1 pts

Within a function header, for example:

```
def basal_metabolic_rate(gender, weight, height, age):
```

The variables that appear within parentheses are called what?

☐ variables☐ attributes☒ parameters☐ arguments

Question 3


1 / 1 pts

Within a function call, for example:

```
rate = basal_metabolic_rate("F", w, h, years)
```

The values that appear within parentheses are called what?

☐ variables☐ attributes☐ parameters☐ arguments

 arguments**Question 4****2 / 2 pts**

Given this function header:

```
def compute(x, y, z):
```

And this code to call that function:

```
x = 7  
result = compute(3, 2, x)
```

Within the function `compute`, what value will be stored in the parameter `x`?

☐ 2☒ 3☐ 7☐ None of the above**Question 5****1 / 1 pts**

What is wrong with the following function definition?

```
def area circle(radius):  
    """Compute and return the area of a circle."""  
    area = math.pi * radius ** 2  
    return area
```

☒ The function name includes a space character.☐ The function has no parameters.

☐ The function redefines its parameter.

☐ The function doesn't return a value.

Question 6

1 / 1 pts

What is wrong with the following function definition?

```
def kilometers_from_miles(miles):  
    """Convert a value in miles to kilometers  
    and return the kilometers value.  
    """  
    miles = float(input("Please enter a distance in miles: "))  
    km = miles * 1.60934  
    return km
```

☐ The function has no parameters.

☒ The function redefines its parameter.

☐ The function is too short.

☐ The function doesn't return a value.

Question 7

1 / 1 pts

What is wrong with the following function definition?

```
def torus_volume(inner, outer):  
    """Compute and return the volume of a torus."""  
    vol = 2 * (math.pi * inner) ** 2 * outer
```

☐ The function has no parameters.

☐ The function redefines its parameter.

☐ The function is too short.

- ☒ The function doesn't return a value.

Question 8

4 / 4 pts

Within a function, what does the keyword `return` do? (Select all that apply.)

- ☒ cause the computer to stop executing the current function
- ☒ return a value to the call point
- ☐ display a value for a user to see
- ☒ cause the computer to resume executing code after the call point

Question 9

1 / 1 pts

Which of the following is a `tkinter` function that can draw a line?

- ☒ `create_line`
- ☐ `draw_line`
- ☐ `fill_line`
- ☐ `draw_oval`

Question 10

1 / 1 pts

Which of the following is a `tkinter` function that can draw a circle?

- ☐ create_circle
- ☐ create_ellipse
- ☒ create_oval
- ☐ create_rectangle

Quiz Score: **14** out of 14

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