

07 Ponder: Check Your Understanding

Due Jun 6 at 7:59am**Points** 20**Questions** 10**Time Limit** None**Allowed Attempts** 3

Instructions

- **Task:** Complete the following quiz.
- **Purpose:** Read a code segment and predict the outcome/output.

Note: You are allowed 3 attempts on this quiz. Your highest score will be kept.

[Take the Quiz Again](#)

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	9 minutes	20 out of 20

❗ Correct answers are hidden.

Score for this attempt: **20** out of 20

Submitted May 28 at 11:53am

This attempt took 9 minutes.

Question 1

2 / 2 pts

When a program runs the same code multiple times, it is called:

- ☒ A loop
- ☐ A cycle
- ☐ A bug
- ☐ A continuous block

Question 2**2 / 2 pts**

A block of code preceded by while $x < 10$: continues iterating as long as what is true?

- ☒ x is less than 10
- ☐ x is less than or equal to 10
- ☐ x is equal to 10
- ☐ x is greater or equal to 10

Question 3**2 / 2 pts**

What is the output of the following code (please ignore newlines in the output)?

```
animal = "rabbit"
while animal == "dog":
    print("a")
    animal = "cat"
    print("b")
print("c")
```

- ☒ c
- ☐ ac
- ☐ abc
- ☐ The program continues displaying "ab" and does not stop.

Question 4**2 / 2 pts**

What is the output of the following code (please ignore newlines in the output)?

```
animal = "dog"
while animal == "dog":
    print("a")
    animal = "cat"
    print("b")
print("c")
```

☐ c

☐ ac

☒ abc

☐ The program continues displaying "ab" and does not stop.

Question 5

2 / 2 pts

What is the output of the following code (please ignore newlines in the output)?

```
animal = "dog"
while animal != "dog":
    print("a")
    animal = "cat"
    print("b")
print("c")
```

☒ c

☐ ac

☐ abc

☐ The program continues displaying "ab" and does not stop.

Question 6

2 / 2 pts

What is the output of the following code:

```
value = 10
while value < 20:
    value = value + 1
print(value)
```

- ☐ 19
- ☒ 20
- ☐ 21
- ☐ An error occurs

Question 7

2 / 2 pts

What is the output of the following code:

```
while value < 20:
    value = value + 1
print(value)
```

- ☐ 19
- ☐ 20
- ☐ 21
- ☒ An error occurs

Question 8

2 / 2 pts

What is the output of the following code:

```
value = 20
while value < 20:
    value = value + 1
print(value)
```

- ☐ 19
- ☒ 20
- ☐ 21
- ☐ An error occurs

Question 9**2 / 2 pts**

Which of these programs would be the best fit for a loop?

- ☐ A program that converts meters to feet
- ☒ A program that looks for the smallest number in a list
- ☐ A program that uses more than 20 variables
- ☐ A program that calculates the amount of tithing for a certain amount of income

Question 10**2 / 2 pts**

What is a python library?

- ☐ A collection of variables in a program
- ☐ Variables written by others that we can access

☒ Code written by others that we can include in our programs

☐
Programs that allow us to “check out” our code (for example, GitHub)

Quiz Score: **20** out of 20

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