

03 Ponder: Check Your Understanding

Due May 9 at 7:59am

Points 20

Questions 10

Time Limit None

Allowed Attempts 3

Instructions

- **Task:** Demonstrate what you know about variables.
- **Purpose:** Read a code segment and predict the outcome/output.

Instructions

- Complete the following quiz.

Take the Quiz Again

Attempt History

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

❗ Correct answers are hidden.

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

Submitted May 5 at 1:03pm

This attempt took 20 minutes.

Question 1

2 / 2 pts

Strings can contain numbers?

☒ True

☐ False

Question 2

2 / 2 pts

Predict the output of the following code:

```
x = 2
y = 3
z = 4

w = x + y * z

print(w)
```

☐ 9

☒ 14

☐ 20

☐ 24

Question 3

2 / 2 pts

Predict the output of the following code. Assume the user enters 5 and 2.5 when prompted.

```
x = input("First: ")
y = input("Second: ")

z = x + y

print(z)
```

☐ 5

☐ 2.5

☐ 7.5

☒ 52.5

Question 4

2 / 2 pts

Question 4

Which of the following follows our style for a variable name with multiple words:

- ☒ egg_carton_count
- ☐ eggCartonCount
- ☐ eggcartoncount
- ☐ egg carton count

Question 5

2 / 2 pts

Which of the following correctly prints the value of the variable "color" in this string?

- ☐ print("The color is {color}")
- ☐ print("The color is [color]")
- ☒ print(f"The color is {color}")
- ☐ print(f"The color is [color]")

Question 6

2 / 2 pts

What is a limitation of ints compared to floats?

- ☐ There is no difference
- ☐ ints can only hold small numbers
- ☒ ints can only hold whole numbers (i.e., no decimals)

- ☐ ints can only hold positive numbers

Question 7**2 / 2 pts**

What is the output of the following code:

```
dolls = 5  
print("There are " + dolls + " dolls")
```

- ☐ There are dolls
- ☐ There are 5 dolls
- ☐ There are 5.0 dolls
- ☒ An error occurs

Question 8**2 / 2 pts**

Once set, variables cannot be changed to a different value (e.g., if x is set to 5 it cannot be later set to 6)

- ☐ True
- ☒ False

Question 9**2 / 2 pts**

Once set, variables cannot be changed to a different type of data (e.g. if x is set to 5 it cannot be later set to "John")

☐ True

☒ False

Question 10**2 / 2 pts**

What does the % operator do?

☐ Divides two numbers and returns the result

☐ Divides two numbers and drops the remainder

☒ Divides two numbers and returns the remainder

☐ Combines two strings together.

Quiz Score: **20** out of 20

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