## 🐍 Python Playground Practice – Chapter 2

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**Instructions:**  
Use your Google Colab **notebook** to write your answers. You can access your notebook here ([colab.google](https://colab.research.google.com/?authuser=0" \l "create=true)). Try your best to guess what the code will do before you run it. Then test it out in your notebook and see what happens!

**Basic Variable Assignment**­

**Question 1:**

What do you think is the output of the following line of code:

x = 10

y = 5

z = x + y

print(z)

Before you complete this in Google Colab, type out what you think the Python interpreter will print out.

**String Concatenation Questions**

**Question 2:**

Create three variables. One for the word “Good” one for “morning” and one for “everyone”. Print these three statements on one line using the created variables.

**Question 3:**

For question 1, use the newline operator to print these variables onto a new line. Only use one line of code in your print function in question 1.

**Variable Assignment and String Formatting**

**Question 4:**

Create two variables. One for your name and one for your age. Now use the print() function to print your name and age using variables in the print function. Only use one print() function to do this.

*Hint: Use the class example where we used {} and* ***.****format() function.*

**Question 5:**

Create a variable called apples which equals 10. Create a variable called oranges which equal 5. Create another variable called total\_fruit which adds apples and oranges together.

Then print all your variables in one line and make the output identical to:

**“There are 10 apples and 5 oranges and 15 fruit all together!”**

*Hint: Use the class example where we used {} and* ***.****format() function.*

**User Input Questions**

**Question 6:**

Use the input function to store two variables – name and date of birth. Then, print out the user’s name and date of birth on one line using the print function.

**Question 7:**

Use the input function to store three variables – name, pet, and pet\_name. Then, print out the user’s name, type of pet (like dog or cat), and the name of their pet. Use the print function and ensure that the final output is only on one line of code.

**Question 8: My Fruit Basket**

Use the input function to store three variables. First, ask the user for their name. Then, ask the user how many apples they have. Then ask how many bananas they have. Then create a variable called total\_fruit which adds the user’s total apples and bananas. Finally, use the print function to write the following message: “Bob has 5 apples and 10 bananas and a total of 15 pieces of fruit!”.

*Hint*: When you ask user’s for input of numbers, it is stored as a string. You must convert this input to an int using the int() function. How do we do this? When you create your total\_fruit variable, make sure you use int(apples) and int(bananas) to add the two together.