

Lab1 using format() method

Lab2 using F-string

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Python

Labs: Submit in word & github

Lab1: Using format() Method

Problem: Define three variables in your program:

1.first_name: A string containing your first name.

2.age: An integer representing your age.

3.favorite_color: A string representing your favorite color.

Then, using the format() method, display a sentence in the following format:

Hello, my name is [first name]. I am [age] years old, and my favorite color is [color].

Lab2: Using f-string

Problem: Define two variables in your program:

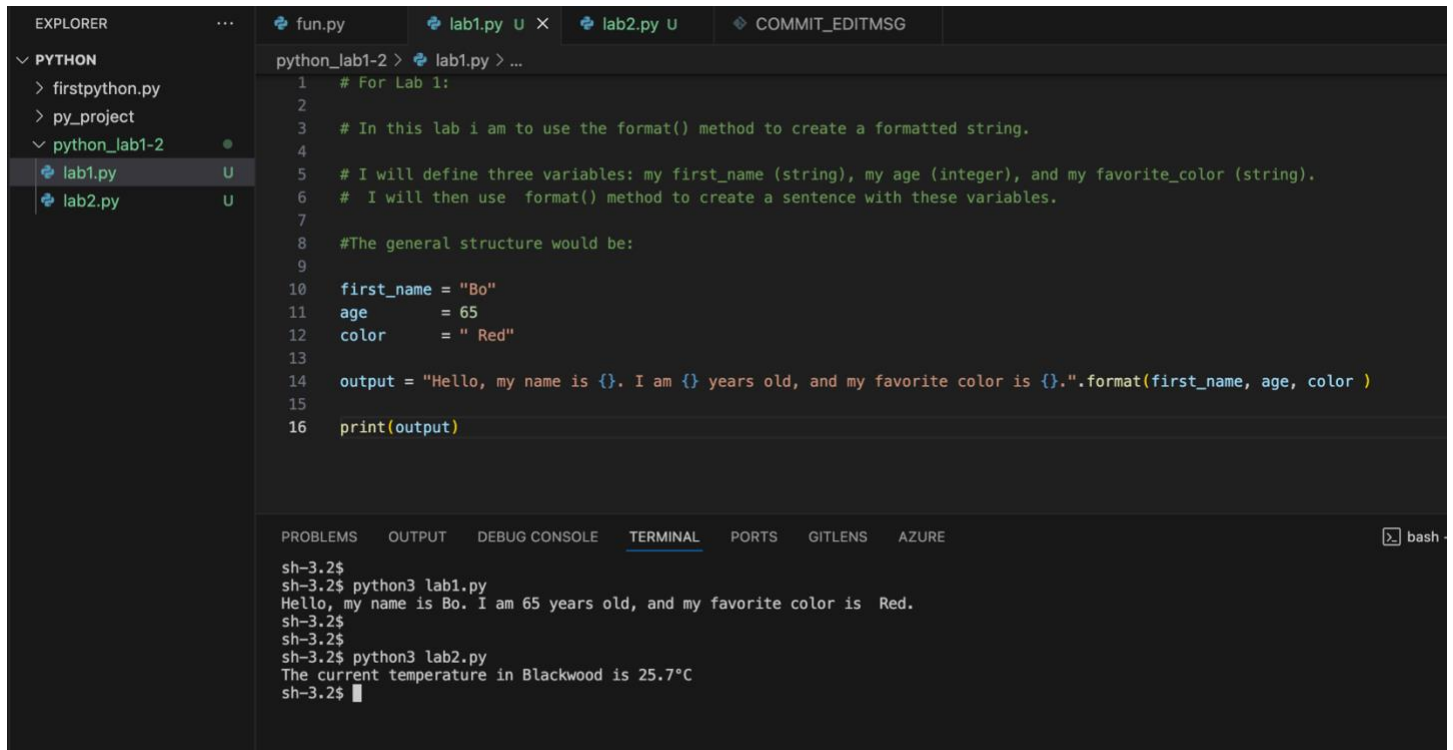
1.city: A string containing the name of a city.

2.temperature: A floating-point number representing the current temperature in Celsius.

Then, using **f-strings**, display the sentence in the following format:

The current temperature in [city] is [temperature]°C.

Lab1 using format() method



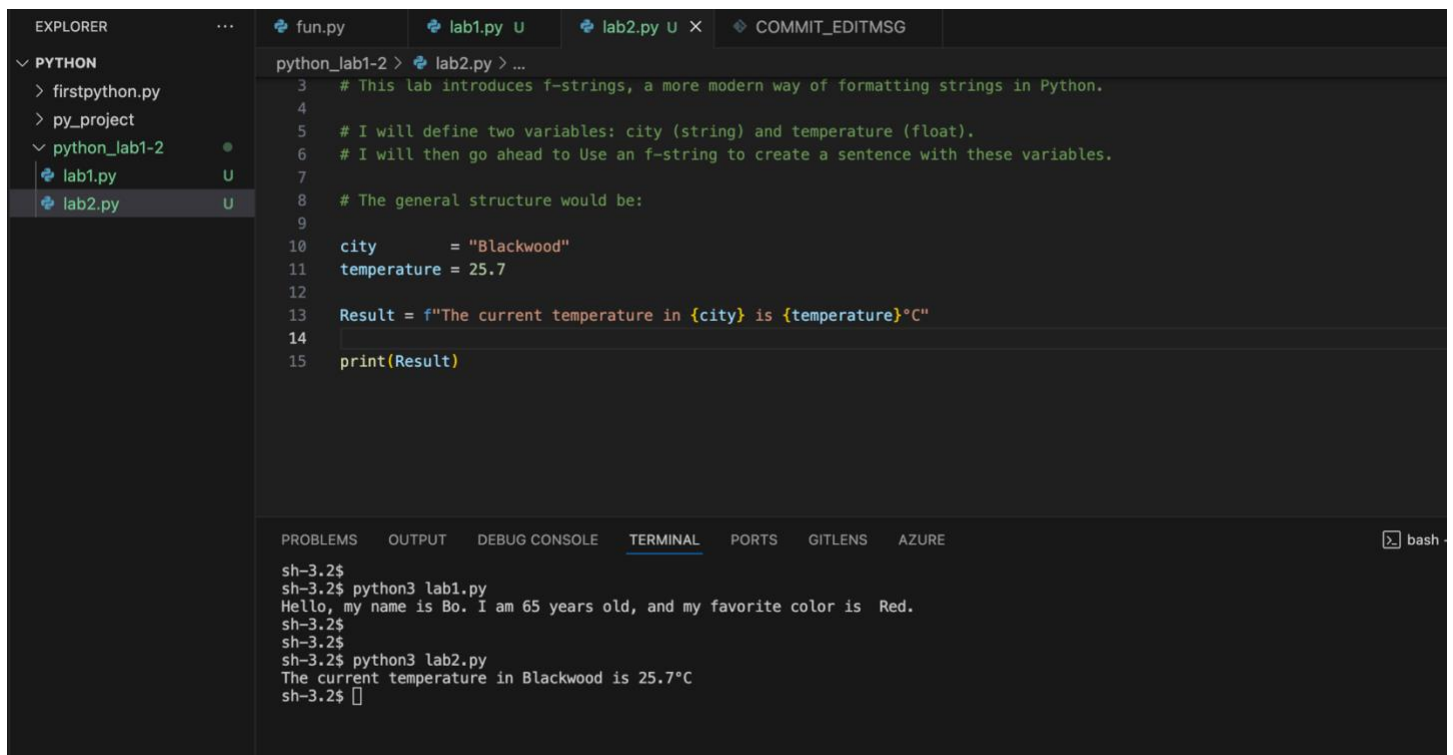
The screenshot shows the VS Code interface with the Explorer sidebar on the left. The 'PYTHON' folder is expanded, showing 'firstpython.py', 'py_project', and 'python_lab1-2'. Inside 'python_lab1-2', 'lab1.py' and 'lab2.py' are listed. The main editor window displays the code for 'lab1.py'. The code defines three variables: 'first_name' (string), 'age' (integer), and 'favorite_color' (string). It then uses the 'format()' method to create a formatted string 'output' and prints it. The terminal at the bottom shows the execution of 'python3 lab1.py', which outputs: 'Hello, my name is Bo. I am 65 years old, and my favorite color is Red.'

```
python_lab1-2 > lab1.py > ...
1  # For Lab 1:
2
3  # In this lab i am to use the format() method to create a formatted string.
4
5  # I will define three variables: my first_name (string), my age (integer), and my favorite_color (string).
6  # I will then use format() method to create a sentence with these variables.
7
8  #The general structure would be:
9
10 first_name = "Bo"
11 age       = 65
12 color     = " Red"
13
14 output = "Hello, my name is {}. I am {} years old, and my favorite color is {}".format(first_name, age, color )
15
16 print(output)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS AZURE

```
sh-3.2$
sh-3.2$ python3 lab1.py
Hello, my name is Bo. I am 65 years old, and my favorite color is Red.
sh-3.2$
sh-3.2$ python3 lab2.py
The current temperature in Blackwood is 25.7°C
sh-3.2$
```

Lab2 using F-string



The screenshot shows the VS Code interface with the Explorer sidebar on the left. The 'PYTHON' folder is expanded, showing 'firstpython.py', 'py_project', and 'python_lab1-2'. Inside 'python_lab1-2', 'lab1.py' and 'lab2.py' are listed. The main editor window displays the code for 'lab2.py'. The code defines two variables: 'city' (string) and 'temperature' (float). It then uses an f-string to create a formatted string 'Result' and prints it. The terminal at the bottom shows the execution of 'python3 lab2.py', which outputs: 'The current temperature in Blackwood is 25.7°C'.

```
python_lab1-2 > lab2.py > ...
3  # This lab introduces f-strings, a more modern way of formatting strings in Python.
4
5  # I will define two variables: city (string) and temperature (float).
6  # I will then go ahead to Use an f-string to create a sentence with these variables.
7
8  # The general structure would be:
9
10 city       = "Blackwood"
11 temperature = 25.7
12
13 Result = f"The current temperature in {city} is {temperature}°C"
14
15 print(Result)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS AZURE

```
sh-3.2$
sh-3.2$ python3 lab1.py
Hello, my name is Bo. I am 65 years old, and my favorite color is Red.
sh-3.2$
sh-3.2$ python3 lab2.py
The current temperature in Blackwood is 25.7°C
sh-3.2$
```