Jeremy Evert Homework 1 for Computer Science 1 over Chapter 1

Problem 1:

Description:

Write a program that outputs "Hello World!" as shown below. For ALL labs, end with newline (unless otherwise stated).

Hello World!

Code:

```
# Online Python compiler (interpreter) to run Python online.
# Write Python 3 code in this online editor and run it.
print("Hello World!")
```

Results:

```
Hello World!
>
```

Note: I used an online compiler for this:
https://www.programiz.com/python-programming/online-compiler/

Discussion:

I believe this is the right answer because it shows I can go in and edit code and get it to run.

Problem 2:

Description:

Write a program that prints a formatted "No parking" sign as shown below. Note the first line has two leading spaces. For ALL labs, end with newline (unless otherwise stated).

```
 NO PARKING
2:00 - 6:00 a.m.
```

Code:
'''

Online Python Compiler.
Code, Compile, Run and Debug python program online.
Write your code in this editor and press "Run" button to execute it.

'''

print(" NO PARKING \n2:00 - 6:00 a.m.")

Results:
'''

Online Python Compiler.
Code, Compile, Run and Debug python program online.
Write your code in this editor and press "Run" button to execute it.

'''

print(" NO PARKING \n2:00 - 6:00 a.m.")

Alternative code:

print(" NO PARKING")
print("2:00 - 6:00 a.m.")

Note: I used an online compiler for this:
https://www.onlinegdb.com/online_python_compiler

Discussion:
I believe this is the right answer because it shows I can go in and edit code and get it to run.

I used some tricks.
For getting started with print statements:
https://realpython.com/python-print/

\n is an escape character that moves to the new line.

Problem 3:

Description:

Write a program that takes a first name as the input, and outputs a welcome message to that name.

Ex: If the input is Pat, the output is:

```
Hey Pat
Welcome to zyBooks!
```

Code:

```
import time

def flash_text(text):

    for i in range(5):
        print("\033[1;31m" + text + "\033[0m", end="\r")
        time.sleep(0.5)
        print(" " * len(text), end="\r")
        time.sleep(0.5)

name = input("Enter your name: ")
print("Hello, " + name + "! Welcome!")
flash_text(name )
```

Results:

PS C:\Users\j_eve> & C:/Users/j_eve/AppData/Local/Programs/Python/Python311/python.exe c:/Users/j_eve/git/SwosuCsPythonExamples/CS1/Ch01/GiGi_greet_user_by_name.py
Enter your name: GiGi
Hello, GiGi! Welcome!

Note: I used Visual Studio Code with GitHub CoPilot enabled for this assignment.

Discussion:

Getting started with the command line:
https://ubuntu.com/tutorials/command-line-for-beginners#4-creating-folders-and-files

Installing Visual Studio Code:
https://code.visualstudio.com/docs/setup/windows

Enabling GitHub Copilot on VS Code

https://docs.github.com/en/copilot/using-github-copilot/getting-started-with-github-copilot