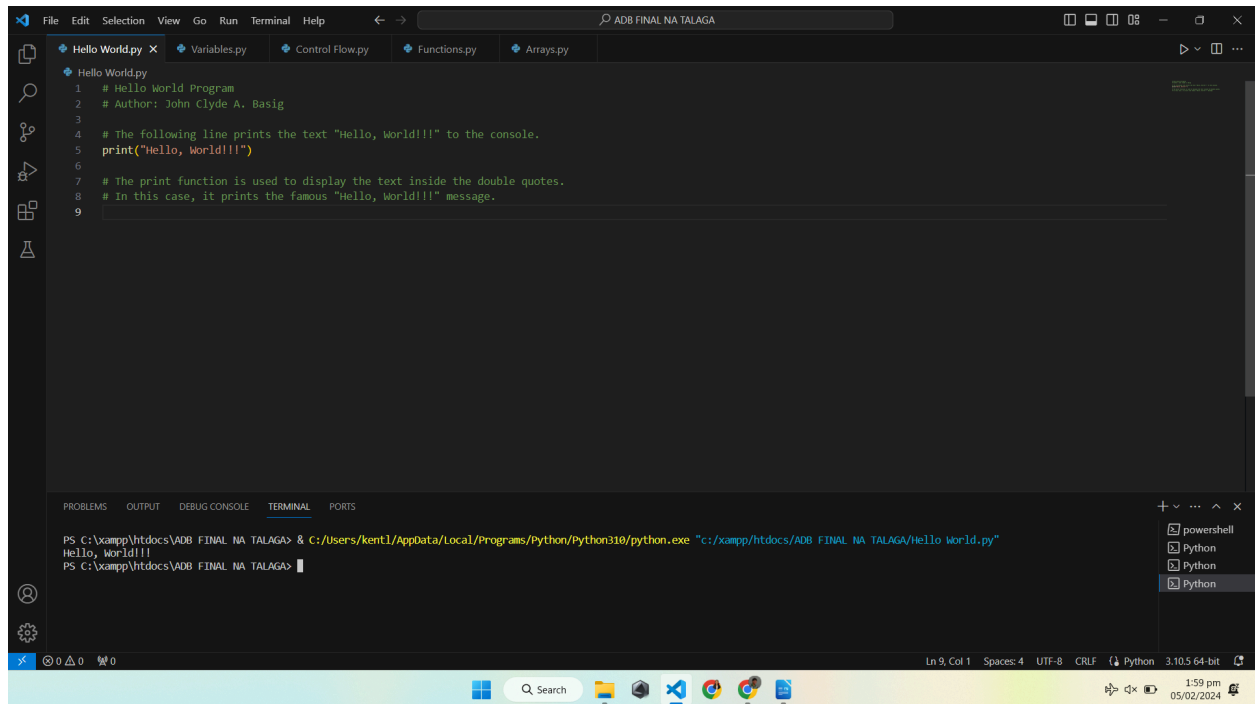


Lab-Act-1

Basig, John Clyde A.

BSCS-3-B2



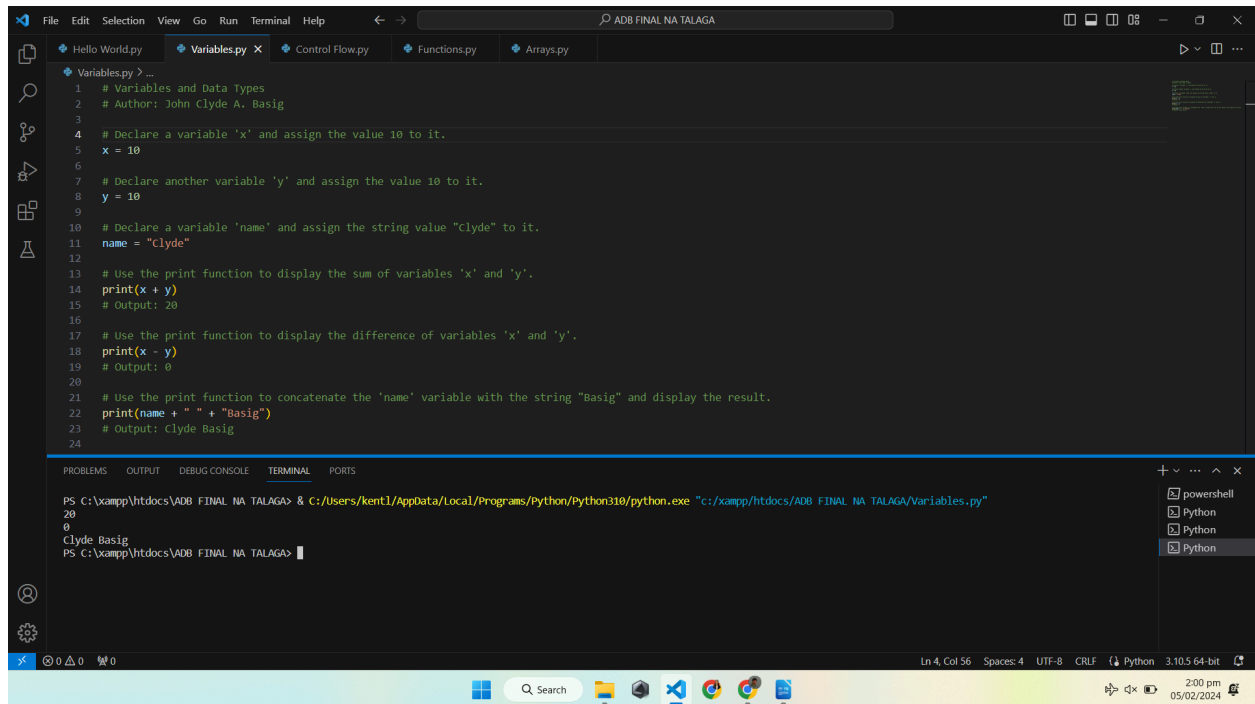
```
File Edit Selection View Go Run Terminal Help
ADB FINAL NA TALAGA

Hello World.py x Variables.py Control Flow.py Functions.py Arrays.py

1 # Hello World Program
2 # Author: John Clyde A. Basig
3
4 # The following line prints the text "Hello, World!!!" to the console.
5 print("Hello, World!!!")
6
7 # The print function is used to display the text inside the double quotes.
8 # In this case, it prints the famous "Hello, World!!!" message.
9

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\xampp\htdocs\ADB FINAL NA TALAGA> & C:/Users/kent1/AppData/Local/Programs/Python/Python310/python.exe "c:/xampp/htdocs/ADB FINAL NA TALAGA/Hello World.py"
Hello, World!!!
PS C:\xampp\htdocs\ADB FINAL NA TALAGA>
```



```
File Edit Selection View Go Run Terminal Help
ADB FINAL NA TALAGA

Hello World.py Variables.py x Control Flow.py Functions.py Arrays.py

1 # Variables and Data Types
2 # Author: John Clyde A. Basig
3
4 # Declare a variable 'x' and assign the value 10 to it.
5 x = 10
6
7 # Declare another variable 'y' and assign the value 10 to it.
8 y = 10
9
10 # Declare a variable 'name' and assign the string value "Clyde" to it.
11 name = "Clyde"
12
13 # Use the print function to display the sum of variables 'x' and 'y'.
14 print(x + y)
15 # Output: 20
16
17 # Use the print function to display the difference of variables 'x' and 'y'.
18 print(x - y)
19 # Output: 0
20
21 # Use the print function to concatenate the 'name' variable with the string "Basig" and display the result.
22 print(name + " " + "Basig")
23 # Output: Clyde Basig
24

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\xampp\htdocs\ADB FINAL NA TALAGA> & C:/Users/kent1/AppData/Local/Programs/Python/Python310/python.exe "c:/xampp/htdocs/ADB FINAL NA TALAGA/Variables.py"
20
0
Clyde Basig
PS C:\xampp\htdocs\ADB FINAL NA TALAGA>
```

The screenshot shows the Visual Studio Code editor with the file `Control Flow.py` open. The code is a Python script that iterates over a range of numbers from 1 to 10 and checks if each number is even or odd. The terminal output shows the execution results: 1 is an odd number, 2 is an even number, 3 is an odd number, 4 is an even number, 5 is an odd number, 6 is an even number, 7 is an odd number, 8 is an even number, 9 is an odd number, and 10 is an even number.

```
1 # Control Flow
2 # Author: John Clyde A. Basig
3
4 # Iterate over a range of numbers (1 to 10)
5 for num in range(1, 11):
6     # Check if the number is even
7     if num % 2 == 0:
8         print(f"{num} is an even number.")
9     # Check if the number is odd
10    else:
11        print(f"{num} is an odd number.")
12
```

```
PS C:\xampp\htdocs\ADB_FINAL_NA_TALAGA> & C:/Users/kent1/AppData/Local/Programs/Python/Python310/python.exe "c:\xampp\htdocs\ADB_FINAL_NA_TALAGA/control_flow.py"
1 is an odd number.
2 is an even number.
3 is an odd number.
4 is an even number.
5 is an odd number.
6 is an even number.
7 is an odd number.
8 is an even number.
9 is an odd number.
10 is an even number.
PS C:\xampp\htdocs\ADB_FINAL_NA_TALAGA>
```

The screenshot shows the Visual Studio Code editor with the file `Functions.py` open. The code defines a function `add_numbers(x, y)` that takes two parameters and returns their sum. It then calls this function with three different sets of arguments: (5, 3), (10, -2), and (7, 7). The terminal output shows the results: Sum 1: 8, Sum 2: 8, and Sum 3: 14.

```
1 # Functions
2 # Author: John Clyde A. Basig
3
4 # Define a function that takes parameters and returns a value
5 def add_numbers(x, y):
6
7     result = x + y
8     return result
9
10 # Call the function with different arguments
11 # Example 1
12 sum1 = add_numbers(5, 3)
13 print(f"Sum 1: {sum1}")
14
15 # Example 2
16 sum2 = add_numbers(10, -2)
17 print(f"Sum 2: {sum2}")
18
19 # Example 3
20 sum3 = add_numbers(7, 7)
21 print(f"Sum 3: {sum3}")
```

```
PS C:\xampp\htdocs\ADB_FINAL_NA_TALAGA> & C:/Users/kent1/AppData/Local/Programs/Python/Python310/python.exe "c:\xampp\htdocs\ADB_FINAL_NA_TALAGA/functions.py"
Sum 1: 8
Sum 2: 8
Sum 3: 14
PS C:\xampp\htdocs\ADB_FINAL_NA_TALAGA>
```

