

Name: _____

Date: _____

CSCI-UA.0002 – Class #5

User Input, Type Conversion, If Statements

1. Write out the output of each program in the space adjacent to it. If there is an error, indicate that an error will occur and correct the program in place. If there is a prompt for user input, include that in the output that you write out. **If there is a prompt for input, assume that the user types in 4.**

```
1. def foo(a, b, c):  
    print(a, b, c)  
    a, b, c = 2, 4, 8  
    foo(c, b, a)
```

8 4 2

```
2. num = input("Please enter a number\n> ")  
    new_num = num + 5  
    print("Your number plus 5 is " + new_num)
```

Please enter a number ... then an error

```
3. b = True  
    print("one")  
    if b:  
        print("two")  
    print("three")
```

one
two
three

```
4. b = False  
    print("one")  
    if b:  
        print("two")  
    else:  
        print("three")  
    print("four")
```

one
three
four

2. Write a function called `double_the_value`. It should have a single parameter. It will print out the result of doubling the argument that's passed in to it. For example:

```
double_the_value(4.5)
```

... will print out 9.0.

```
def double_the_value(num):  
    print(num * 2)
```

3. Write a program that asks the user for a color. If the user enters 'puce', the program should write out: "that's my favorite color too!". For all other input, the program should print out "what a lovely color!". Example output is below:

```
what's your favorite color?  
>puce  
that's my favorite color too!
```

```
what's your favorite color?  
>blue  
what a lovely color!
```

```
color = input("What's your favorite color?\n> ")  
if color == "puce":  
    print("That's my favorite color too!")  
else:  
    print("What a lovely color!")
```

