

Over the last few weeks we covered:

1. Conditional statements using *if...else...elif*. You can review the concepts at https://python101.pythonlibrary.org/chapter4_conditionals.html, and here are some conditional operators: https://www.w3schools.com/python/python_operators_comparison.asp
2. Boolean variables and combinations using NOT, AND, OR, NAND, NOR and XOR. They are implemented in python using python operator *not*, *and* and *or*. https://www.w3schools.com/python/python_operators_logical.asp
3. We learned how to swap the contents of two variable using two different techniques as shown below

This week you will be accessing and submitting the homework through Google Classroom directly.

```
#swapping value of variables

print ("Method 1: Using a Temporary Variable")
a = 10
b = 20

print("a = ", a, ", b = ", b)

#create a temporaty variable to hold one of the values
temp_var = a
a = b
b = temp_var

print("a = ", a, ", b = ", b)

print ("Method 2: Using Tuple Order")
a = 10
b = 20

print("a = ", a, ", b = ", b)

#use tuple order to specify the exchange
a, b = b, a

print("a = ", a, ", b = ", b)
```

```
# Problem 1: Ask the user for an integers. If one is divisible by 5,
# (remainder after dividion is 0), respond with "The number you entered is
# divisible by 5". Otherwise, respond with "The number you entered is not
# divisible by 5".

# Your code here:
```

```
# Problem 2: Create a variable called my_passwd and assign it a random password
# e.g. my_passwd = "EYEW1nt0DAY". Ask the use to enter a password. If the
# entered password matches yours here, respond with "Access Granted", and set a
# boolean variable called granted to True.
# granted = True
# Otherwise respond with "Access Denied! Please try again" and set granted to
# False

# Your code here:
```

```
# Problem 3: Ask the users for 2 integers. If one is divisible by the other,
# (remainder after dividion is 0), respond with "The numbers you entered are
# multiples of each other". Otherwise, respond with "The numbers you entered
# are not multiples".
# Caution: the larger number has to be divided by the smaller, which you have
# to detect in code

# Your code here:
```

```
# Challenge Problem:
# Ask the user for 4 (integer) numbers in any order, and store them in variables
# n1. n2. n3. n4. Print them back out in ascending order. e.a. if the user
```

```
"""
# enters 3, 5, 1, 4, you should print out 1 3 4 5

# this is solvable MANY different ways. Try to think of a way you would solve
# this using combinations of if then statements, and perhaps swaps.
```