

In-Class Assignment:

1. What is the output for the following code:

(a)

```
while a > b:  
    if a > 5:  
        a -= 2  
        b -= 1  
    elif b > 5:  
        a -= 5  
        b += 10  
    else:  
        a -= 2  
        b -= 3  
    print(a,b)
```

if a = 10, and b = 7

(b)

```
s = "my name is Mary"  
index = 0  
while s[index] != 'M':  
    index += 1  
    print(index)
```

2. Draw a flowchart for each of the two blocks of code from 1.

3. Write a program that finds the product of five numbers (using for loop), and user can run this calculation as many times as he/she wants (without re-running the program) for different inputs.

comment: at the end of calculation your program should ask whether the user wants to do it again or not.

Here is a sketch of the program:

```
def main():
    print("This program finds the product of five given values.")
    answer = "y"
    while answer[0] == "y":
        p = 1
        for i in range(5):
            # get the next value from the user
            # update product p
        print("Their product is",p)
        answer = input("Do you want to do it again? (Enter yes or
no)").lower()
    print("Have a good day!")
main()
```