Part 0: Get familiar with Linux by following Assignment #0 Steps 1 and 2. Please find the Assignment #0 on the course webpage.

Part I: Trace the following code and record the output

```c
int i = 2;
int j = 3;
int n;
    n = i * 2;
while (i < n)
{
    i++;
    j = j + 2;
    printf("i = %d, j = %d\n", i, j);
}
printf("done: i=%d\n", i);
```

Optional Part (if time permits): Write a program to find the largest digit in a four digit number [1000..9999]. The program should print out the number and the largest digit. You can assume the number is given (or get the number from command line arguments or user input).

- if the number is 2583, largest digit is 8
- if the number is 1234, largest digit is 4
- if the number is 1111, largest digit is 1