Plan 5

March 6 – March 13

• Read Chapter 5 in the textbook.

• Read Chapter 1 and 2 in "Programming from the Ground Up" (available via the web page of the course).

• **Exercise 10** Write a MARIE assembly program corresponding to the C program on the next page.

• **Exercise 11** Extend the data path simulator (MarieDPath.java) for MARIE, so that it can handle the extra instruction `Mult`. Document your corrections of the source code.

```c
#include <stdio.h>

int main() {
    printf("%d\n", min(42, 56));
}

int min(int a, int b) {
    int m;
    if (a < b)
        m = a;
    else
        m = b;
    return m;
}
```