1. Study Sixth edition Chapter 4, Section 4.1.

2. Do Exercises 4.1, 4.2, 4.3.

   Type your solutions in a text editor or word processor app and save it in a `.pdf` file. You cannot simply change the extension of your file name from `.docx`, or `.rtf`, or `.txt` to `.pdf`. You must *export* your document as a `.pdf` file.

   Submit your `.pdf` file as an attachment in Canvas under Assignment 6a.

3. Finish writing the C program that inputs the 8-bit binary number, calls the arithmetic shift left function, and outputs the binary number and the NZVC bits in the main program after the shift. Do NOT output any values in the ASL function.

```
void ASL(

int main() {
    int binNum[8];
    int N, Z, V, C;
    // Input binNum

    // Call ASL

    // Output binNum, N, Z, V, C after ASL

    return 0;
}
```

   Do not use any math functions, including those that convert decimal to binary or binary to decimal.

   Make a copy of your original source file, and name the duplicate *xx*`main.c` where *xx* is your assigned two-digit number. For example, if your two-digit number is 99 you would rename it `99main.c`. Hand in this duplicated and renamed file as an attachment in Canvas under Assignment 6b.