

```
/*--- lengths.c ---*/
#include "si204.h"
#include <math.h>

int main() {
    fputs("Enter two lengths in feet and inches (larger first!)\n", stdout);
    int feet1 = readnum(stdin);
    char c = readchar(stdin);
    int inch1 = readnum(stdin);
    c = readchar(stdin);
    int feet2 = readnum(stdin);
    c = readchar(stdin);
    int inch2 = readnum(stdin);
    int length1 = feet1*12 + inch1;
    int length2 = feet2*12 + inch2;
    int diff = length1 - length2;
    int feet = diff/12;
    int inch = diff%12;
    fputs("Difference is ", stdout);
    writenum(feet, stdout);
    fputs("' ", stdout);
    writenum(inch, stdout);
    fputs("\n", stdout);

    return 0;
}
```

```
/*--- capitalize.c ---*/
#include "si204.h"
#include <math.h>

int main() {
    fputs("Input word : ", stdout);
    char c1 = readchar(stdin);
    char c2 = readchar(stdin);
    char c3 = readchar(stdin);
    c1 -= 32;
    fputs("Capitalized: ", stdout);
    fputc(c1, stdout);
    fputc(c2, stdout);
    fputc(c3, stdout);

    return 0;
}
```