

# CSI 333 – Programming at the Hardware-Software Interface

## Some Examples of C Programs

### Handout 2.2

#### Program Example 3:

```
#include <stdio.h>

#define LOWER    0
#define UPPER   300
#define STEP     20

/* Prints a Farenheit-Celsius table. */

int main(void) {

    int fahr;

    for (fahr = LOWER; fahr <= UPPER; fahr += STEP) {
        printf("%4d %6.1f\n", fahr, (5.0/9.0)*(fahr - 32.0));
    }
    return 0;

} /* End of main. */
```

#### Output:

```
  0  -17.8
 20   -6.7
 40    4.4
 60   15.6
 80   26.7
100   37.8
120   48.9
140   60.0
160   71.1
180   82.2
200   93.3
220  104.4
240  115.6
260  126.7
280  137.8
300  148.9
```