

ENGG\*1410: “Introductory Programming for Engineers”,  
Assignment #3  
Input & Output in C

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Fall 2021

**Start Date: Week #3, Due Date: Week #4 (Friday, 5:00 PM) in Dropbox**

1. Write a program that converts 27° from degrees Fahrenheit (F) to degrees Celsius (C) using the following formula:  $C = (F - 32) / 1.8$ 
  - prompt the user to enter a value
  - print the temp in degrees Fahrenheit and next to it the temp in degrees Celsius.
2. What output would you expect from the following program?

```
#include<stdio.h>

int main (void)
{
    char c, d;

    c = 'd';
    d = c;
    printf ("d = %d\n", d);
    return 0;
}
```

3. Write a program to evaluate the polynomial shown here:  $3x^3 - 5x^2 + 6$   
for  $x = 2.55$