Introduction:

The purpose of this assignment is to display the use of motors using a motor controller in conjunction with a microcontroller.

The program is designed using functions and constant integers to control motor functions. The use of the encoder gives a digital readout to the serial monitor. This gives you the ability to calculate the motors position and allows for precision tuning of the motor.

The challenges I had in this assignment was getting the pinout on the microcontroller and encoder in the correct order. I had to change the constant ints multiple times to get the motors going in the right direction as well as getting the right motors turning in the right direction.