Lab 8 Report

 In this lab, we were introduced to analog to digital conversion. We were introduced to the ADC Register, and had to display its contents on the LED's. The lab itself was very straightforward. In the first part, we had to use the potentiometer to adjust the resistance to change the ADC value. We then used a photoresistor to detect how much light we were getting and changing the LED's accordingly. We then did different variations of this lab where we lit up different LED's based on how much light we had. This lab was very easy and the only problem we had was manipulating the bits. We had 10 bits so we had to use PORTB and PORTD to be able to represent all the bits. We had a little trouble bit shifting, but once we figured out how to, the lab went very smoothly. In this lab, Abraham did the wiring, and Rogelio did the wiring.