

CS 445 Laboratory 2

What we want to do in this lab is get a modicum of familiarity with the RCX byte codes by doing a few things in LASM, which is the Lego Assembly Language for the byte codes. In the software install for the Lego SDK, there is a manual for the RCX 2.0 firmware, and the Help > Contents also has an LASM lesson. It is too large a language to become completely familiar with in an hour, but you do need to know enough to understand byte code programs.

Below is LASM program that I wrote to control the motor based on the state of the touch sensor. You can download it from [lasm_example1.rcx2](#).

Improve on this in some way using LASM. One project that might be interesting is to have your robot seek a light source by reading the light sensor as it rotates and remembering where the light is brightest.