

CMPE 49A INTRODUCTION TO ROBOTICS

LAB #2 “Moving to Java”

Aim of this lab is to get acquainted with the Java based leJOS infrastructure and test our first robot.

Things to do:

1. On the computer open the virtual PC environment (VmWare). Here the Lego software, and also the educational materials are already installed.
2. Open C:\lejos_nxj\README.html
3. Follow the instructions in section Compiling and Running Your First Code
4. Follow the same instructions for the samples below and describe each sample's functionality.
 - BumperCar
 - ExceptionTest
 - GraphicsSample
 - HelloWorld
 - LCDUI
 - Line
 - Listen
 - PilotTester
 - SonicTest
 - SoundSample
 - SpeedTest
5. Open the “Introduction to Robotics” home page in the folder.
6. Implement sequences 3,4, and 5 in the Projects (Main activities) using Java.
7. Answer all the questions in these sequences in your lab report.