

Introductory laboratory exercises for CIS 716.5

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Work your way through the following exercises:

1. Compile the program `basic.nqc` that Professor Parsons gives to you, download it onto the robot, and run it.
2. Write a program that makes the robot go forwards for 5 seconds and then stop. Compile the program, download it onto the robot, and run it.
3. Write a program that makes the robot go forwards for 5 seconds and then stop and wait until the touch sensor is pressed. Once the sensor is pressed, the robot should go backwards for 10 seconds. Compile the program, download it onto the robot, and run it.
4. Write a program to use the light sensor, and have the program make the robot go forwards until the robot is over a dark line on the floor (Professor Parsons will have a white board with a dark oval on it in the room). Compile the program, download it onto the robot, and run it.
5. Write a program that has the robot follow the black line. Compile the program, download it onto the robot, and run it.
6. Write a program that has the robot follow the black line until the touch sensor is pressed. Once the sensor is pressed, the robot should stop. Compile the program, download it onto the robot, and run it.