Complete Obstacle Avoidance

In the last step, you will incorporate complete obstacle avoidance. Whenever the robot senses an obstacle, it should take appropriate steps to avoid it. In this step, you will incorporate multiple sensors onto your robot in order to enhance the obstacle avoiding capabilities.

Goals for this step –

* Incorporating all of the maneuvers you have developed to achieve full obstacle avoidance.
* After you have mastered avoiding obstacles with one sensor, try adding more sensors to increase your robot’s awesomeness.
  + Note, when adding more sensors, you can either add the sensor code to the existing **ping()** method, or create a new method for each sensor -- don’t forget to call each method during the **loop()**.
* In order to avoid false readings causing “hiccups” in the robot’s movement, you should average a few readings before returning the value.
* After mastering obstacle avoidance with stationary objects, you should adapt your robot, if necessary, to avoid moving obstacles.