Programming - Ultrasonic Sensor

Summary	Description	Instructor Initial of Completion
Task #1: Test The Sensor	Write a program in which when an object is moved in front of the Ultrasonic Sensor, the wheels will stop spinning.	
Task #1B: Comparing Similar Programs	1. What will the robot do when Program A is used? 2. What will the robot do when Program B is used? What is the difference between how the lines of code in the two programs were written? 3. Explain what the robot actually did when Program A was turned on. 4. Explain what the robot actually did when Program B was turned on. 5. Which of the two lines of code functions better and why?	
Task#2: Robot Stops at Object.	Write a program in which the robot moves forward. When the sensor detects the wall, it will stop.	
Task #3: Robot Drives in a Circle around an Object.	Write a program in which your robot is to proceed around the center object and return to its starting point without touching the walls and the center object.	
Task #4: Wave Hand to Guide Robot Thru Maze	Wave your hand to guide the robot through the maze. You may not touch the robot and the robot shall not touch a wall or else you will need to start over.