

1. Get your robot to drive quickly when your hand is not in front of the ultrasonic sensor and get it to drive slowly when it detects your hand closer than 40 cm. You must use an if statement. (5 points)
2. Mount your sonar sensor on the left side of your robot and get the robot to follow the path of the wall underneath the white boards. You must use an if statement. (5 points)
3. Challenge: After you complete steps 1 & 2 get your robot to follow a wall as it turns in both directions. You may practice in the hallway.