• Robot
• Android (not the phone!)
• Cyborg
• Fyborg
• Project 1
• Lab 3 due date
• Chapter 5
  – Proximity sensors: T/F and [0,2000]
  – Light in range [0,1], not ints like the book says
// start rotating
robot.turnLeft( 0.1 );

// do this for 30 seconds
while( MyroUtils.timeRemaining( 30 ) )
{
    // beep if the path ahead is clear of obstacles
    if( robot.getIR( Scribbler.SENSOR_IR_LEFT ) )
    {
        robot.beep( 440, 0.25 );
    }
    else
    {
        // There is an obstacle ahead so flash the LED
        robot.setLEDBack( 1.0 );
        MyroUtils.sleep( 0.25 );
        robot.setLEDBack( 0.0 );
        MyroUtils.sleep( 0.25 );
    }
}

// 30 seconds are up, so stop rotating
robot.stop();
int[] lights;

lights = robot.getLight();
System.out.println( "Left is " + lights[0] );
System.out.println( "Center is " + lights[1] );
System.out.println( "Right is " + lights[2] );
Array variable declarations:

- `<type>[] <var>; variable <var> is an array of <type>`

Examples:

- `int[] <var>; variable <var> is an array of int`
- `double[] <var>; variable <var> is an array of double`
- `String[] <var>; variable <var> is an array of String`

Accessing elements of an array:

- `arr[<index>]` References element `<index>` of array `arr`. `<index>` must be an int
• Create array.
• Read 5 numbers into an array?
• Does the array contain a “4”?