

Mission 7 Assignment	Name:
Pre-Mission Preparation	
<p>This mission will use sensors to detect a line, and then use the data to control the CodeBot. Other than self-driving cars, what real-world applications use some kind of object detection sensors? How does the data control a device?</p>	
Mission 7 Checks	
<p>Objective #1 Explain how the line sensor works:</p>	
<p>What value is returned by the line sensor?</p>	
<p>Objective #2 What is the code to read a line sensor?</p>	
<p>Objective #3 Given an example of a chaining comparison: What is the purpose of break?</p>	
<p>Objective #4 Where in the program do you define constants? What does abs() do?</p>	
<p>Objective #5 What are two things you can do to improve the program?</p>	<ol style="list-style-type: none"> 1. 2.
<p>Objective #6 What is a matrix?</p>	
<p>What does a return statement do?</p>	

Post-Mission Reflection

What is something you enjoyed about this mission?

This mission uses a matrix to organize data. What real-life application can you think of that might use a matrix?

