

# Obstacle Avoidance with Warning and Random Turns (Look Out!)

Time required: 30 minutes

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## Tutorial Assignment

1. Start mBlock. Save the program as **Obstacle Avoidance with Warning and Random Turns**.
2. Complete and test the program as pictured with the requirements listed.

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## Requirements

- The robot randomly turns left or right to avoid an obstacle and gives a visual warning.
- Test the obstacle avoidance with your foot.

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## Challenges

- Play a sound when an object is detected.
- Experiment with the detection distance.

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## Assignment Submission

- All students attach the finished program to the assignment in Blackboard.
- Each assignment can be demonstrated in class.
- For online students, a link to a YouTube video recording showing the assignment can be placed in the submission area in BlackBoard.

