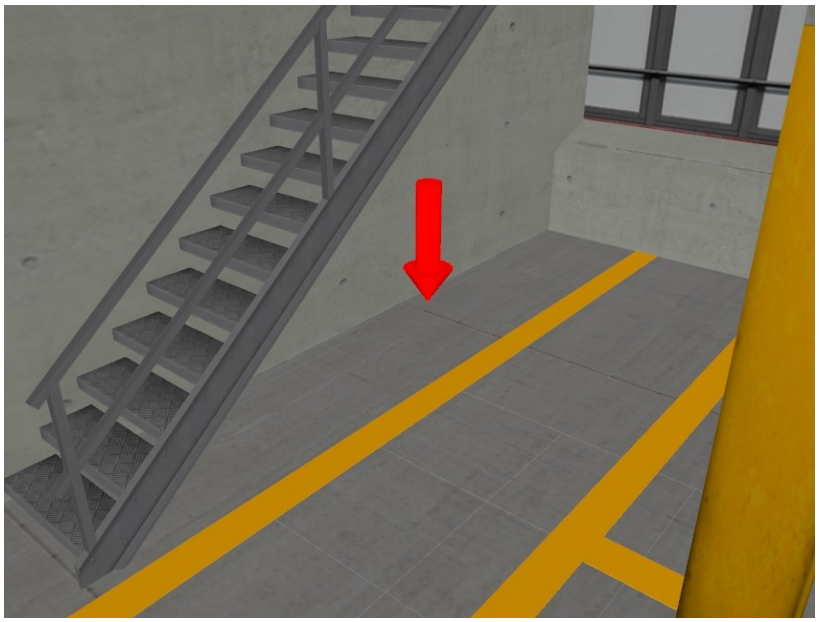
Link : https://learning.edx.org/course/course-v1:DelftX+ROS1x+1T2020/block-v1:DelftX+ROS1x+1T2020+type@sequential+block@88e7f356eebc4a97ae3161eb3459fc0e/block-v1:DelftX+ROS1x+1T2020+type@vertical+block@8f500eade15e456e9543e8070afcf86d

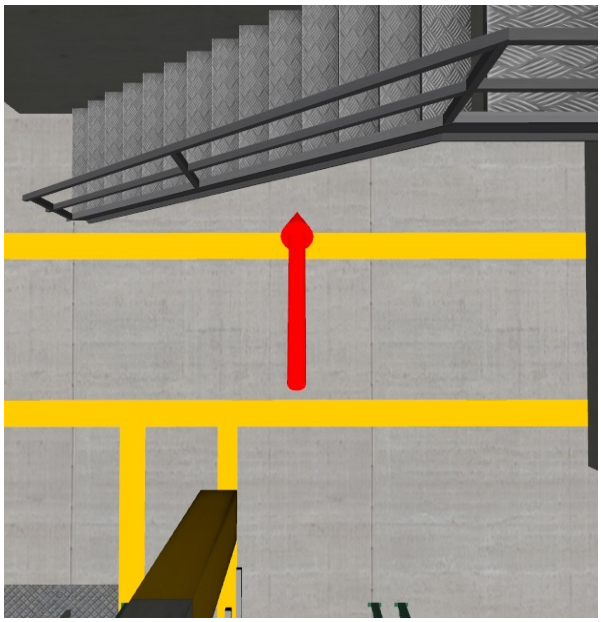
Overview

In this assignment you are going to **add** a new object to the factory: a green sphere.

The sphere should be placed on the opposite side of the conveyor, underneath the stairs at the far end of the factory.

Refer to the following illustrations. The red arrow indicates where you should place the sphere.





Solution requirements:

For this assignment you will need to *edit* the `hrwros_week2` package that has been provided to you as part of the Week 2 download

(see *Weekly Contents*). The only file that needs to be changed is `hrwros_assignment2.xacro` in `hrwros_week2/urdf`.

You will not be asked to upload the `hrwros_assignment2.xacro` file, instead, you must make a screenshot in RViz **showing the new green sphere in the correct location**.

You can use the `visualize_hrwros_assignment2.launch` file in the `hrwros_week2` package to start RViz while you're editing the XACRO file.

Correct implementations will show:

1. a new, green sphere in the factory
2. radius: 40 centimeters
3. the sphere must be **on** the floor, **not** in the floor or slightly above it
4. located under the stairs, behind the yellow line (as indicated by the red arrows in the two illustrations above)
5. not touching anything other than the floor

Warning: This assignment contains peer- and expert-feedback steps provided for verified learners. As an audit learner, you are free to try this on your own, but you won't be able to get feedback from the course team. If you would like to work on the assignment as an audit learner, the full assignment is the text above.