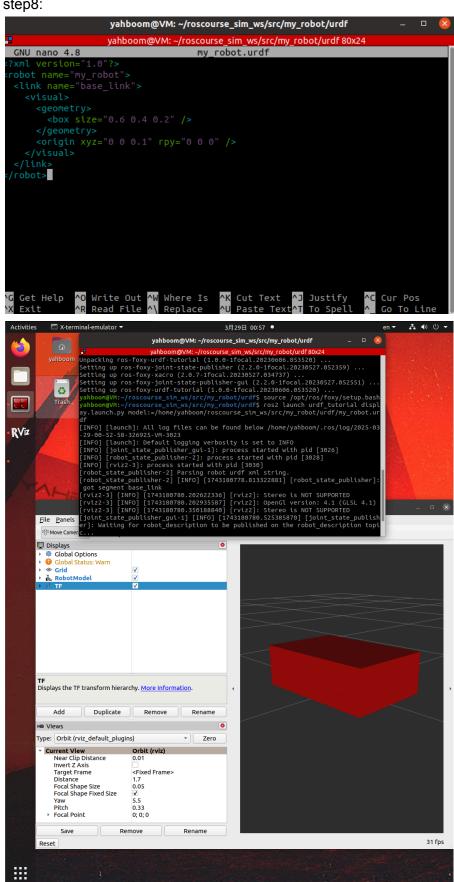
Task1

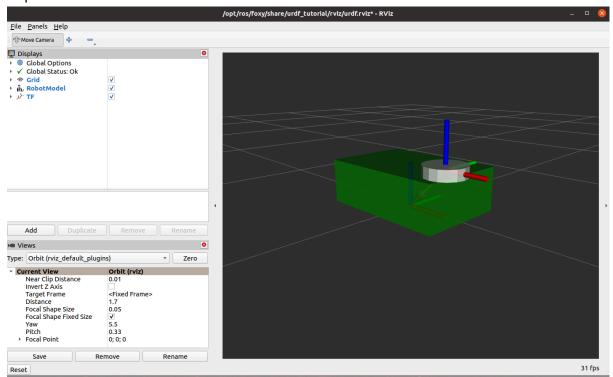
step8:



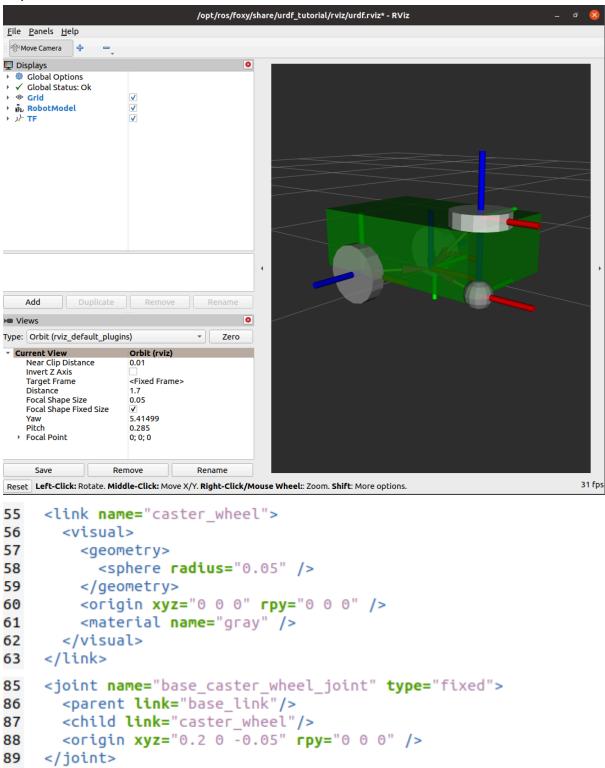
Required question: What happens if you try to run the demo now? Why?

If you run the demo now, Rviz will only show one link, and the other link will not be shown. This is because there is no joint connecting the two links in the URDF file. robot_state_publisher needs to know the relationship between them to publish the coordinate transformation. If there is no joint, there is no coordinate transformation between them.

step18

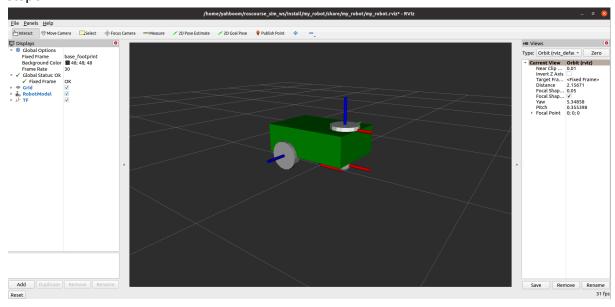


step36



Task2

step6



REQUIRED Question: What are some of the nodes in the launch file and what do they do?

There are two nodes in the launch file: robot_state_publisher and rviz2. robot_state_publisher will read the URDF file and publish the position relationship of each link. rviz2 will open the visualization interface to display the robot model.

Task3

step3

