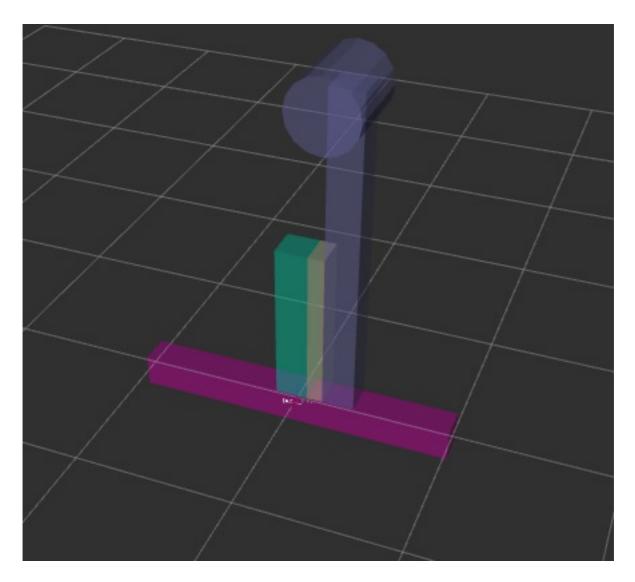
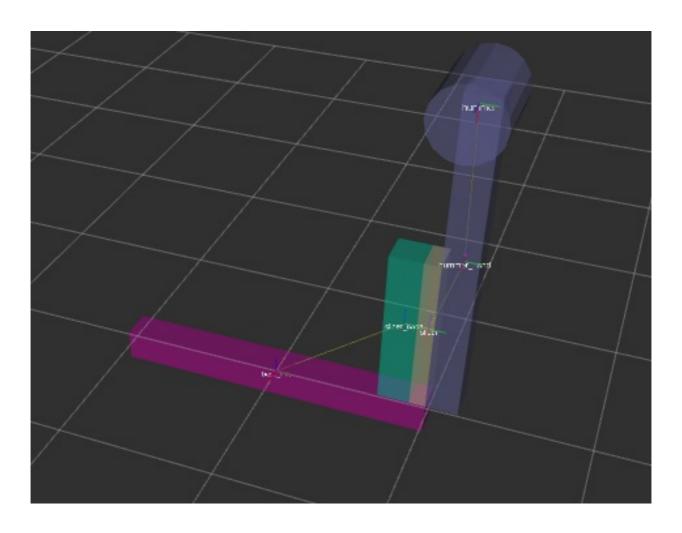
Assignment 1

Robot description:

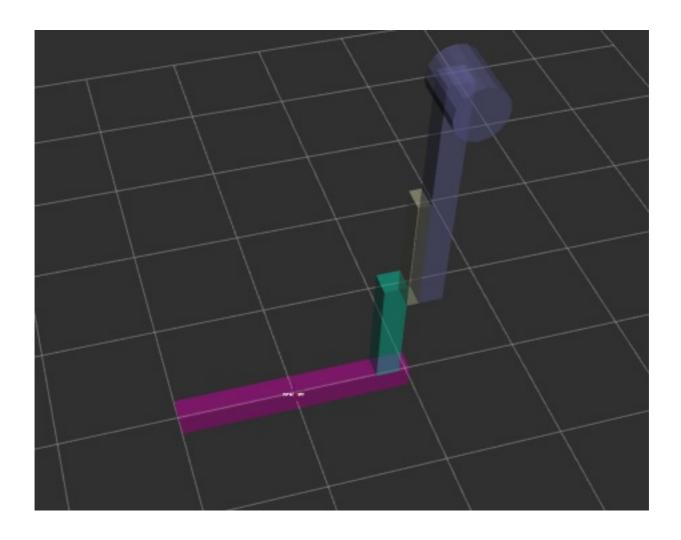
- Contains 5 links and 4 joints
- Two prismatic joints
- One continuous joint
- One fixed joint



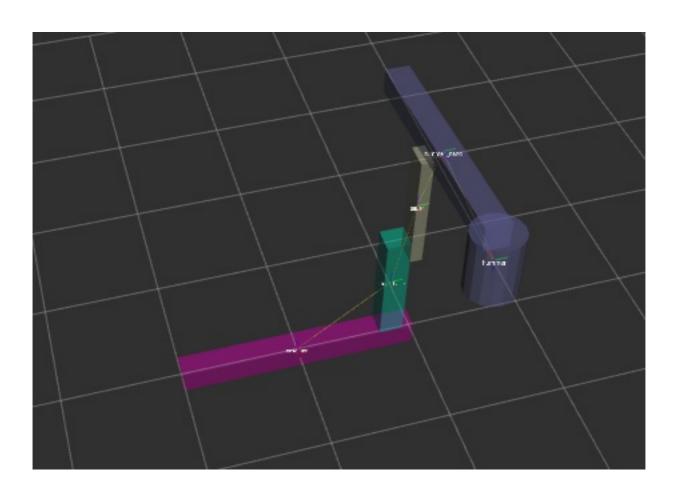
Robot view in initial position



First prismatic joint move

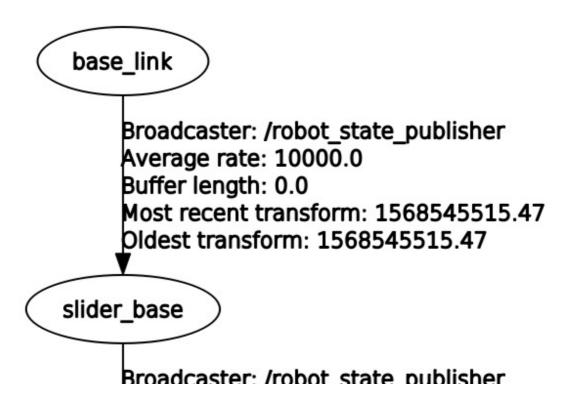


Second prismatic joint move



Continuous joint move

Recorded at time: 1568545517.19



Average rate: 10000.0 Buffer length: 0.0 Most recent transform: 1568545515.47 Oldest transform: 1568545515.47 slider Broadcaster: /robot_state_publisher Average rate: 10000.0 Buffer length: 0.0 Most recent transform: 1568545515.47 Oldest transform: 1568545515.47 hummer_hand Broadcaster: /robot_state_publisher Average rate: 10000.0 Buffer length: 0.0 Most recent transform: 0.0 Oldest transform: 0.0 hummer

URDF tree

Github link:

https://github.com/jenamax/Introdution-to-Robotics/tree/master/Assignment1

Run the visualization and control

build package A1

- run roslaunch A1 display.launch
- it will start visualization in rviz
- the robot can be controlled through console where launch file was started
- input the desired joints positions and the robot will move