

ROS Exercise 3

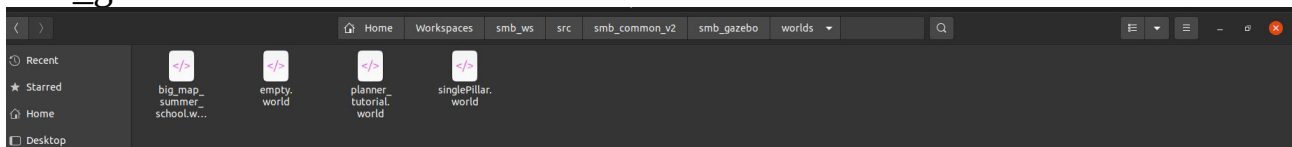
- Swaminathan S K 22CS30057 (AGV Software Team)

The smb_common_v2 was symlinked with the src folder.

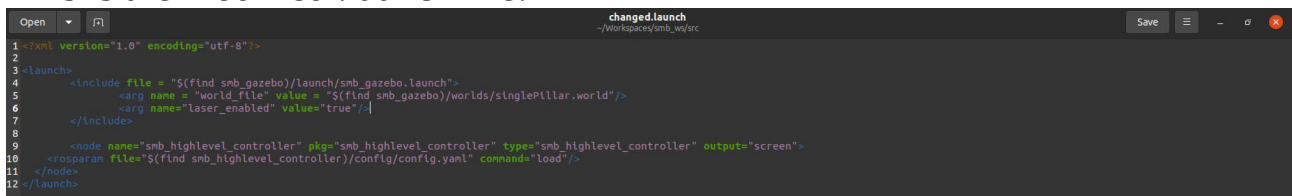
```
swaminathan@swaminathan-ASUS-TUF-Dash-F15-FX517ZM-FX517ZM:~/Workspaces/smb_ws/src  
c$ ln -s ~/git/smb_common_v2/ smb_common_v2
```

The `$ catkin build` command was used to build the newer version. Now, to change the launch file -

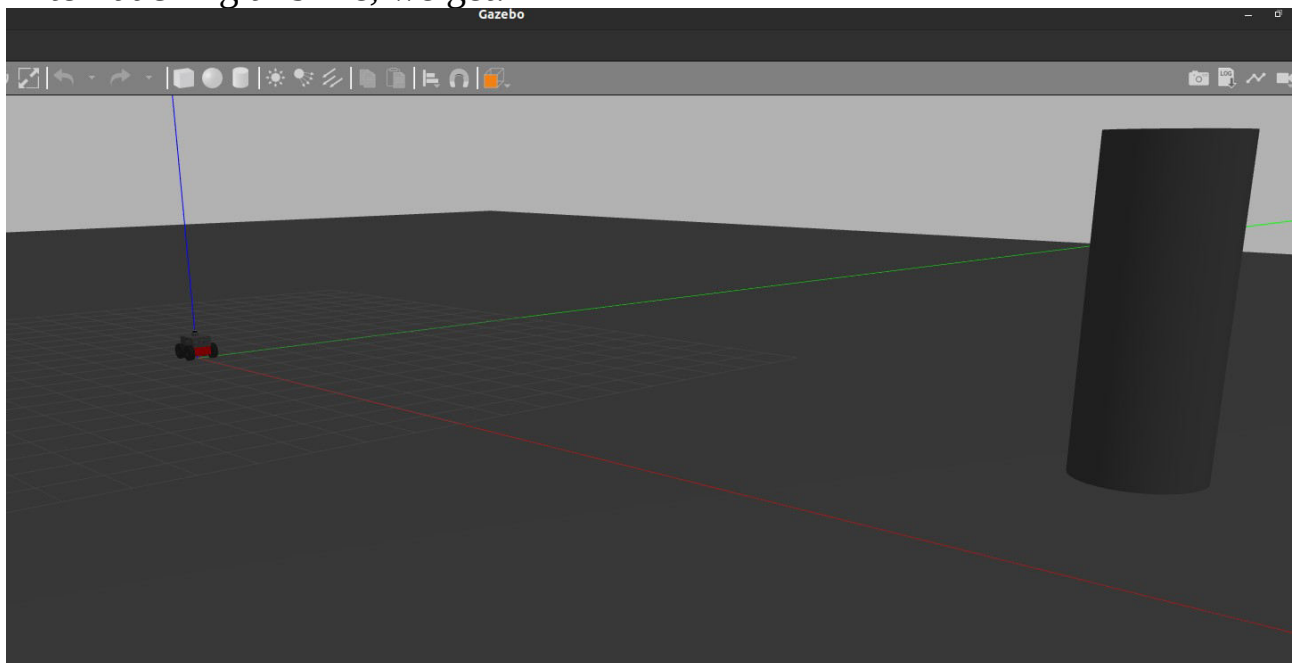
The singlepillar.world file was download and placed in the smb_gazebo/worlds/ folder.



This is the modified .launch file:



After launching this file, we get:



Getting the laser scan data and finding the distance of pillar relative to it:

Source(s):

http://docs.ros.org/en/melodic/api/sensor_msgs/html/msg/LaserScan.html

To find the