准备工作:

```
ubuntu 20.04 + ROS2 - foxy - desktop
gazebo11
rviz2
```

chapter 1: load neor_mini urdf file into rviz by ROS2 - foxy

Step 1: down load code && compile its.

```
# after download neor_mini_foxy project.
cd neor_mini/mini_sim20_ws

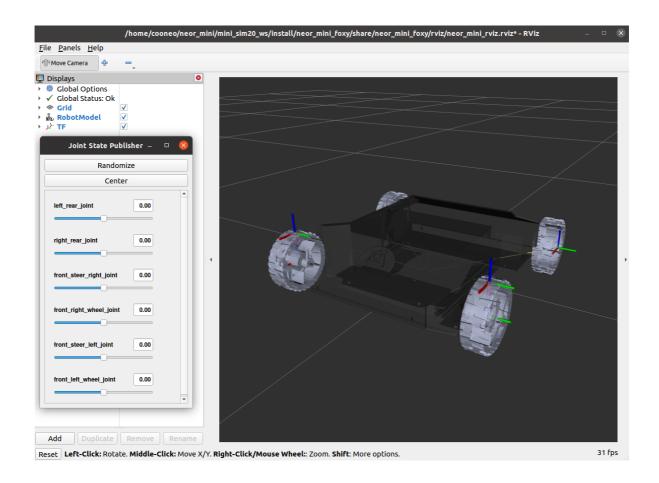
# auto install dependence packages by packages.xml file or one by one by your hand
rosdep install -i --from-path src --rosdistro foxy -y

# compile ROS packages
colcon build

# wait a moment && source ROS workspace
source install/setup.bash
```

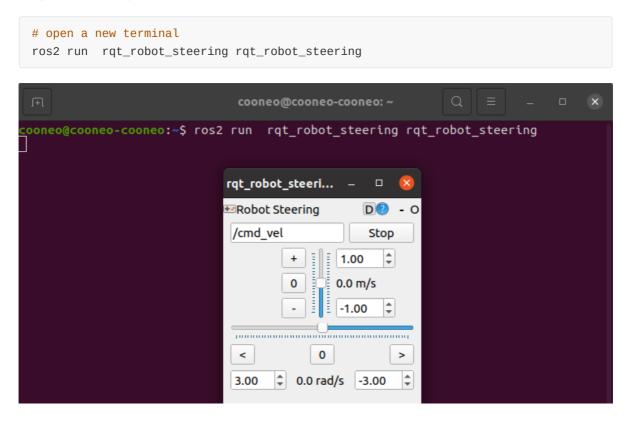
Step 2: launch file && load neor_mini urdf into rviz2

```
# Terminal same as up
ros2 launch neor_mini_foxy display.launch.py
```



chapter 2: load neor_mini urdf file into gazebo11 && drive it by topics

Step 1 : launch rqt_robot_steering ROS node



Step 2: launch file && load neor_mini into gazebo11 and drive it.

```
# open a new terminal
cd neor_mini/mini_sim20_ws
colcon build
source install/setup.bash

# launch file
ros2 launch neor_mini_foxy neor_mini_gazebo.launch.py
```



