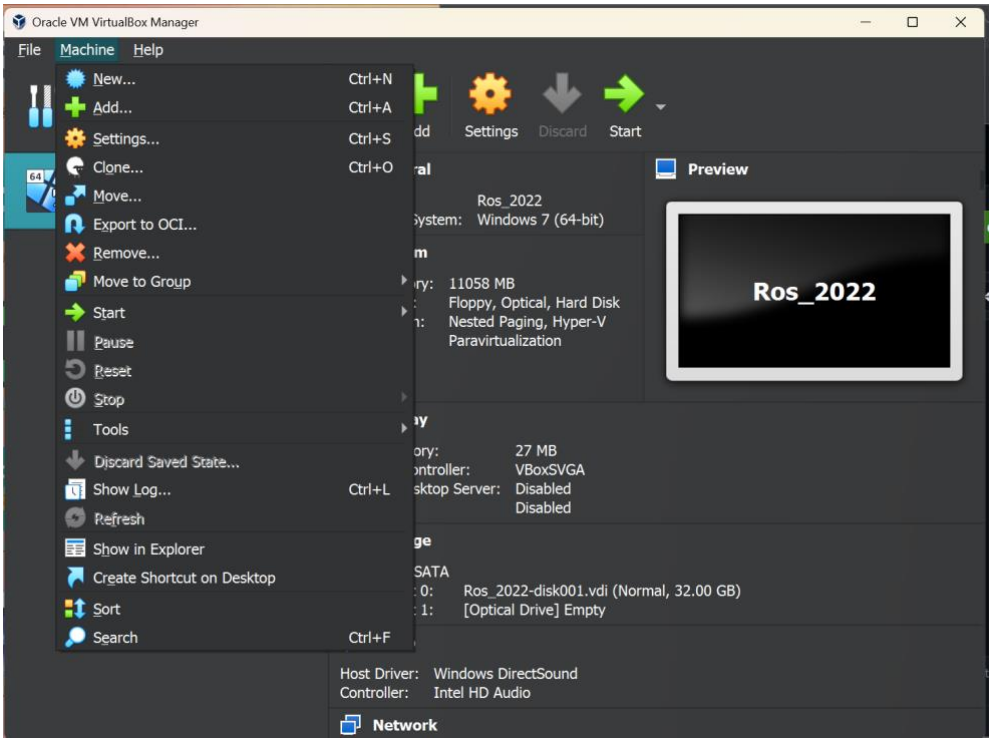
Install Ubuntu

1. Download VirtualBox
2. Download Ubuntu 18.04
3. Open Ubuntu within the Virtual Machine from Machine-> New

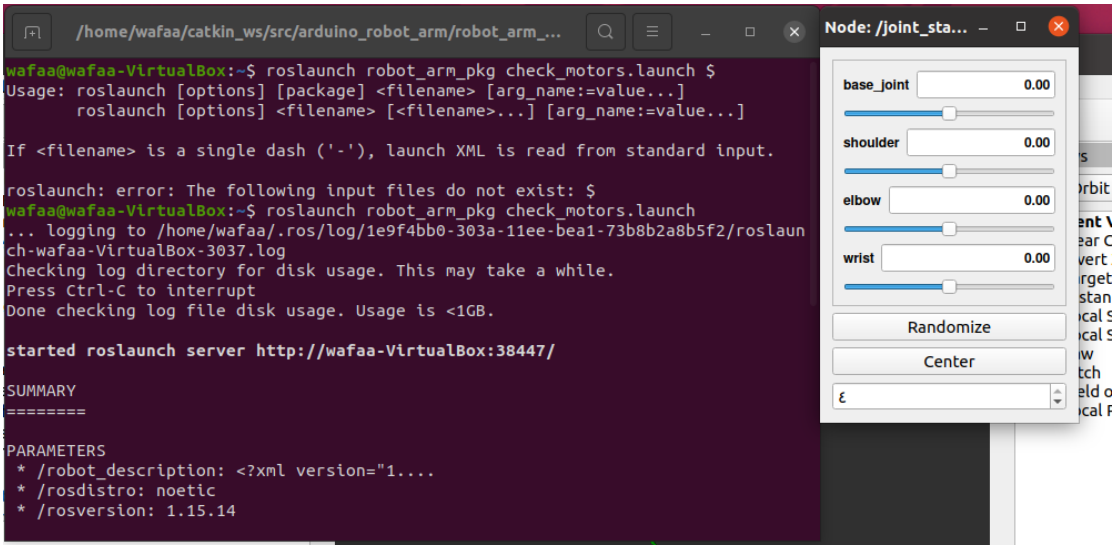


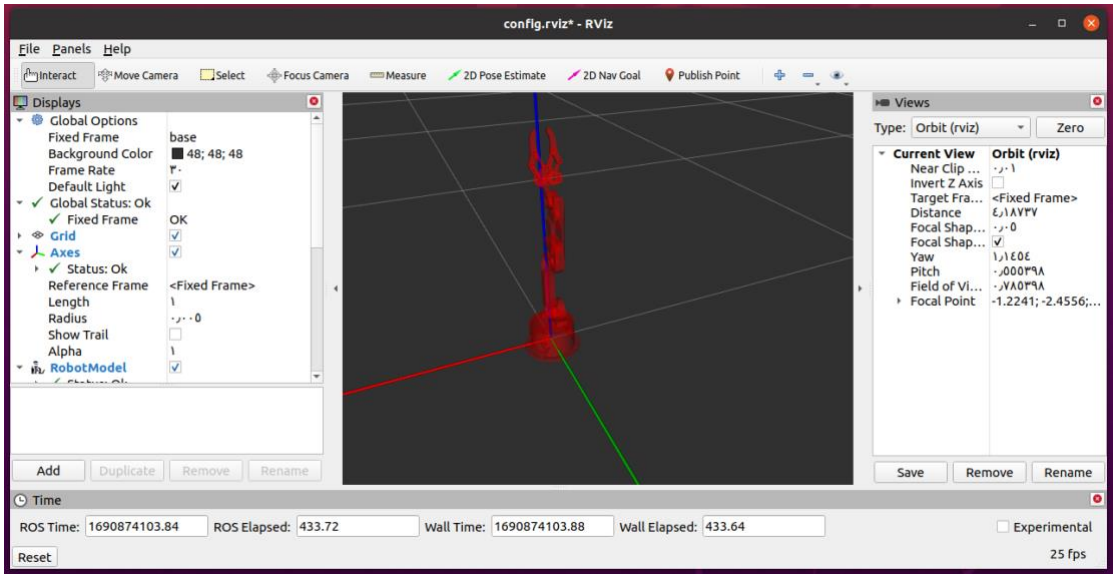
Install ROS And Launch ROS in Ubuntu

1- Install ROS Melodic

2- Open the terminal in Ubuntu and write the following commands

3- The last command roslaunch robot_arm_pkg check_motors.launch is used to launch the ROS in Ubuntu




config.rviz* - RViz
File Panels Help
Interact
Move Camera
Select
Focus Camera
Measure
2D Pose Estimate
2D Nav Goal
Publish Point
Displays
Global Options
Fixed Frame base
Background Color 48; 48; 48
Frame Rate ۳۰
Default Light
Global Status: Ok
Fixed Frame OK
Grid
Axes
Status: Ok
Reference Frame <Fixed Frame>
Length ۱
Radius ۰٫۰۰0
Show Trail
Alpha ۱
RobotModel
Add
Duplicate
Remove
Rename
Views
Type: Orbit (rviz)
Zero
Current View Orbit (rviz)
Near Clip ... ۰٫۰۱
Invert Z Axis
Target Fra... <Fixed Frame>
Distance ٤٫۱۸۷۳۷
Focal Shap... ۰٫۰0
Focal Shap...
Yaw ۱٫۱٤٥٤
Pitch ۰٫۵۵۵۳۹۸
Field of Vi... ۰٫۷۸۵۳۹۸
Focal Point -1.2241; -2.4556;...
Save
Remove
Rename
Time
ROS Time: 1690874103.84
ROS Elapsed: 433.72
Wall Time: 1690874103.88
Wall Elapsed: 433.64
Experimental
Reset
25 fps