Install-arduino-robot-arm:

https://github.com/kira-Developer/install-arduino-robot-arm

for kinetic distro:

\$ sudo apt-get install ros-kinetic-moveit

\$ sudo apt-get install ros-kinetic-joint-state-publisher ros-kinetic-joint-state-publisher-gui

\$ sudo apt-get install ros-kinetic-gazebo-ros-control joint-state-publisher

\$ sudo apt-get install ros-kinetic-ros-controllers ros-kinetic-ros-control

for melodic distro:

\$ sudo apt-get install ros-melodic-moveit

\$ sudo apt-get install ros-melodic-joint-state-publisher ros-melodic-joint-state-publisher-gui

\$ sudo apt-get install ros-melodic-gazebo-ros-control joint-state-publisher

\$ sudo apt-get install ros-melodic-ros-controllers ros-melodic-ros-control

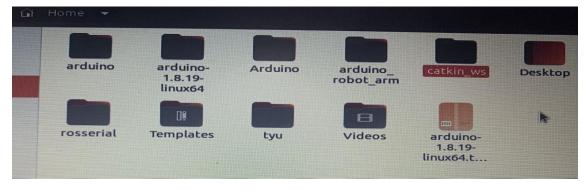
for noetic distro:

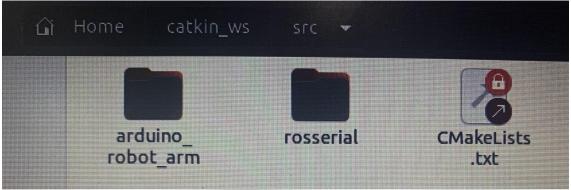
\$ sudo apt-get install ros-noetic-moveit

\$ sudo apt-get install ros-noetic-joint-state-publisher ros-noetic-joint-state-publisher-gui

\$ sudo apt-get install ros-noetic-gazebo-ros-control joint-state-publisher

\$ sudo apt-get install ros-noetic-ros-controllers ros-noetic-ros-control





Install-arduino-robot-arm:

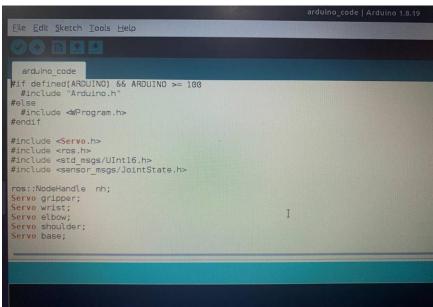
https://www.arduino.cc/en/software

\$ sudo ./install.sh

هذا الفيديو لتتبع خطوات تثبيت البرنامج:

https://arduino-er.blogspot.com/2020/06/install-arduino-ide-1813-on-ubuntu-2004.html





Install-arduino-robot-arm:

http://wiki.ros.org/rosserial_arduino/Tutorials/Arduino%20IDE%20Setup

#include <ros.h>

#include <std_msgs/String.h>

\$sudo apt-get install ros-noetic-rosserial-arduino

\$sudo apt-get install ros-noetic-rosserial

\$cd <ws>/src

\$ git clone https://github.com/ros-drivers/rosserial.git

\$ cd <ws>

\$ catkin_make

\$ catkin_make install

\$ rm -rf ros_lib

\$ rosrun rosserial_arduino make_libraries.py .

\$cd <some_empty_directory>

\$ rosrun rosserial_arduino make_libraries.py

