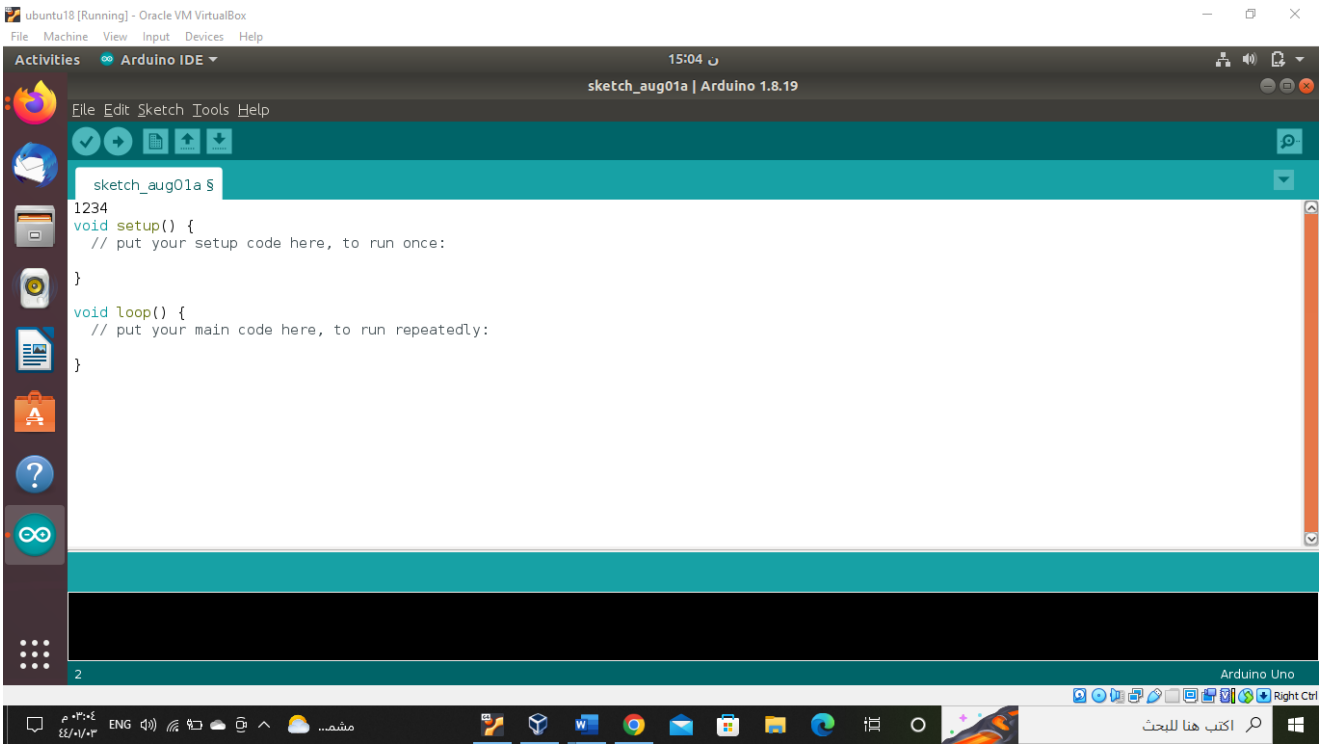
Steps to Install the package arduino_robot_arm

These packages were tested under ROS kinetic and Ubuntu 18.04 and it works perfectly on ROS melodic.

If you don't have an Arduino, let's download it by following these steps
STEP1: Copy these 4 commands in the Terminal:

STEP1.1: sudo apt install snapd
STEP1.2: sudo snap install arduino
STEP1.3: sudo usermod -a -G dialout $USER
STEP1.4: sudo snap connect arduino:raw-usb

That’s it! This is the interface of **Arduino:**



Create catkin workspace

STEP1.1: Copy these 6 commands in the Terminal:

STEP1.2: Add the “arduino_robot_arm” package to “src” folder

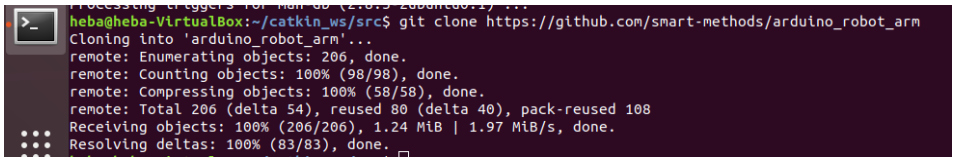
STEP1.3:mkdir -p ~/catkin_ws/src

STEP1.4:cd ~/catkin_ws/src

STEP1.5:sudo apt install git

STEP1.6: git clone https://github.com/smart methods/arduino_robot_arm

The output will be like this



Install all the dependencies

STEP2: Copy these 7 commands in the Terminal:

STEP2.1: cd ~/catkin_ws/

STEP2.2: rosdep install --from-paths src --ignore-src -r -y

#All required rosdeps installed successfully

STEP2.3: sudo apt-get install ros-melodic-moveit

STEP2.4: sudo apt-get install ros-melodic-joint-state-publisher ros-melodic-joint-state-publisher-gui

STEP2.5: sudo apt-get install ros-melodic-gazebo-ros-control joint-state-publisher

STEP2.6: sudo apt-get install ros-melodic-ros-controllers ros-melodic-ros-control

STEP2.7: catkin_make

The output will be like this