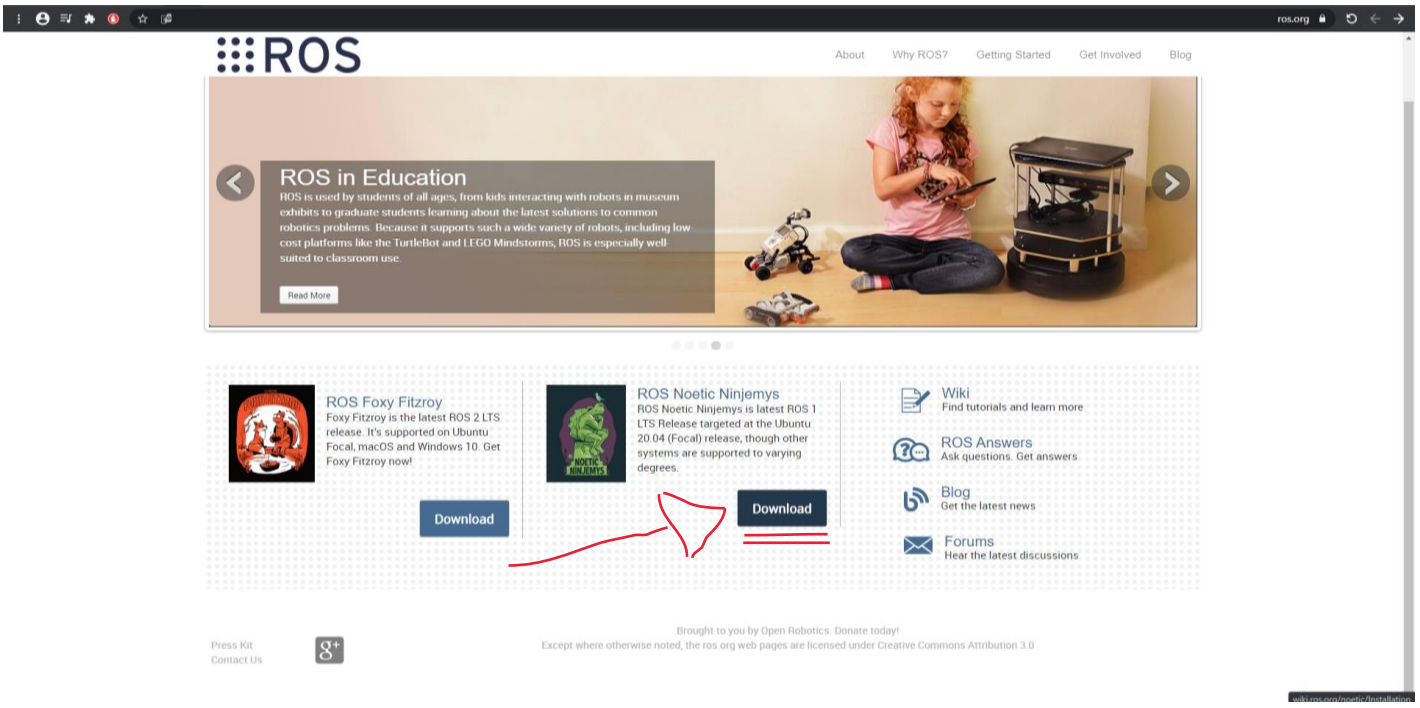
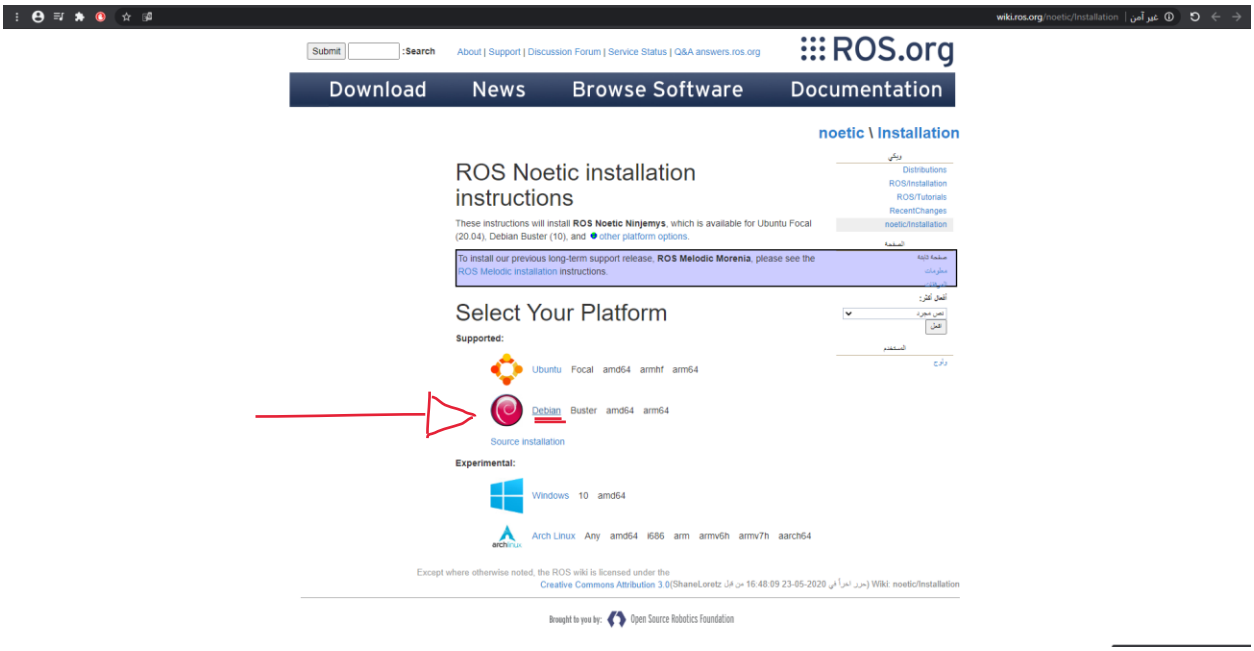
Install ROS Noetic Ninjemys on Ubuntu OS 20.04 LTS

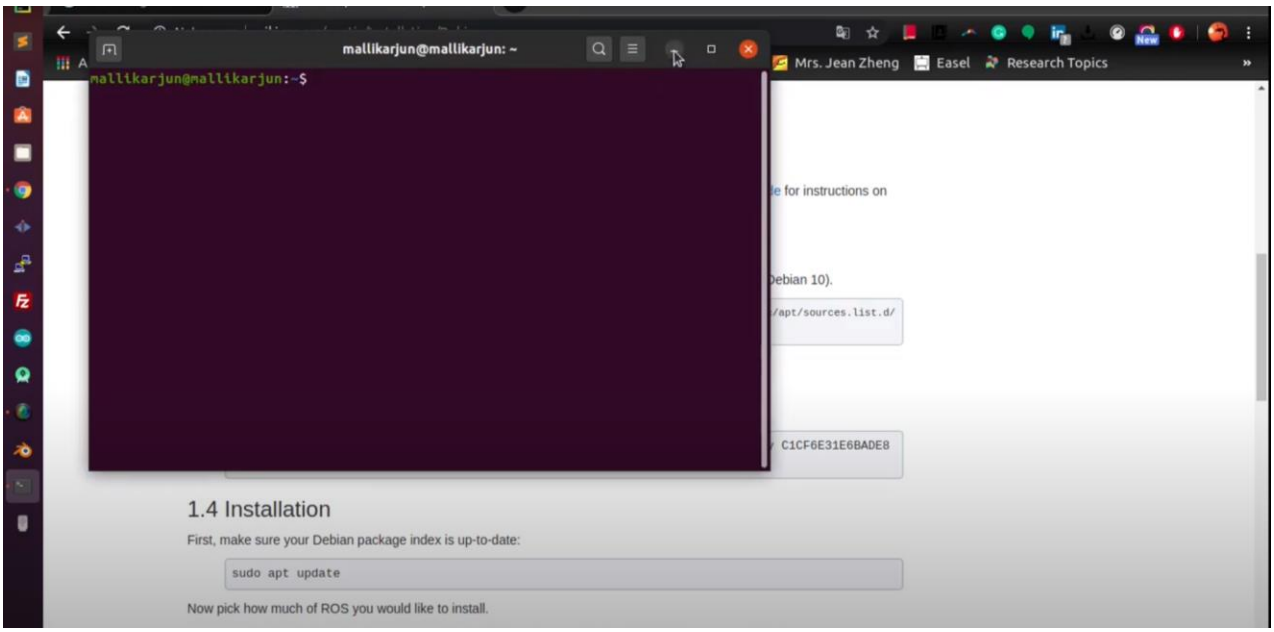
شرح الخطوات بالعربي*

اول خطوة قم بزيارة الرابط في الأسفل واتبع الخطوات الموضحة في الصور ادناه
https://www.ros.org/



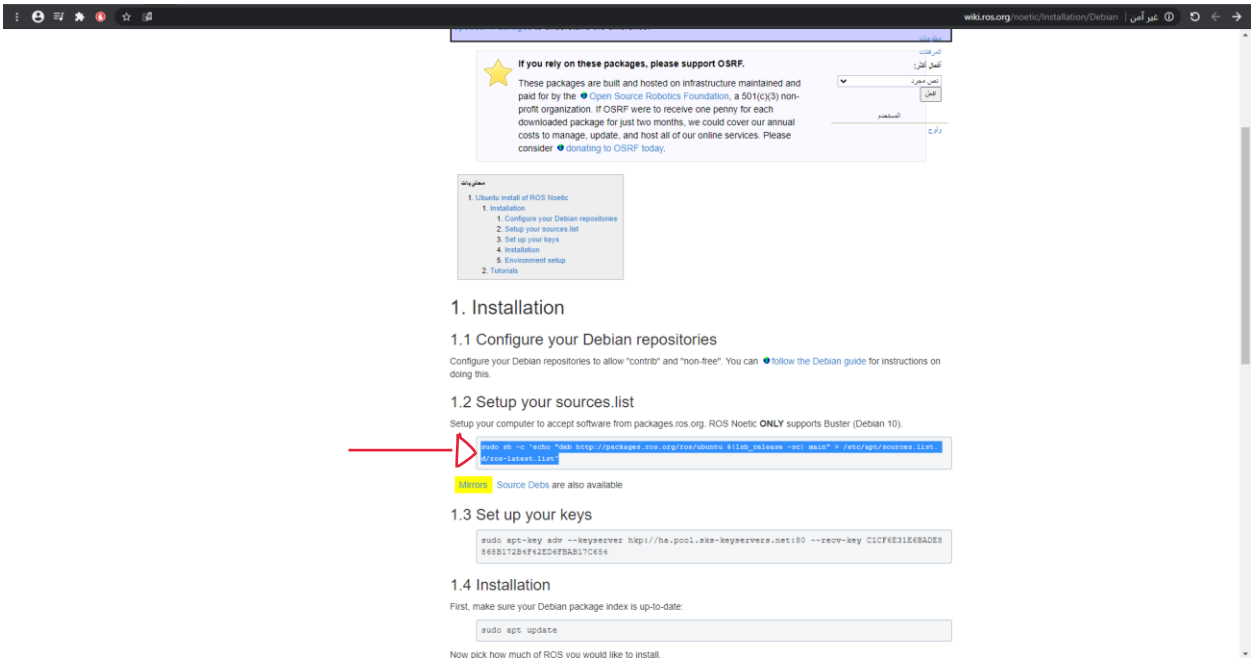


الان افتح لوحة الأوامر في نظام اوبنتو بالضغط على "ctrl+alt+t"

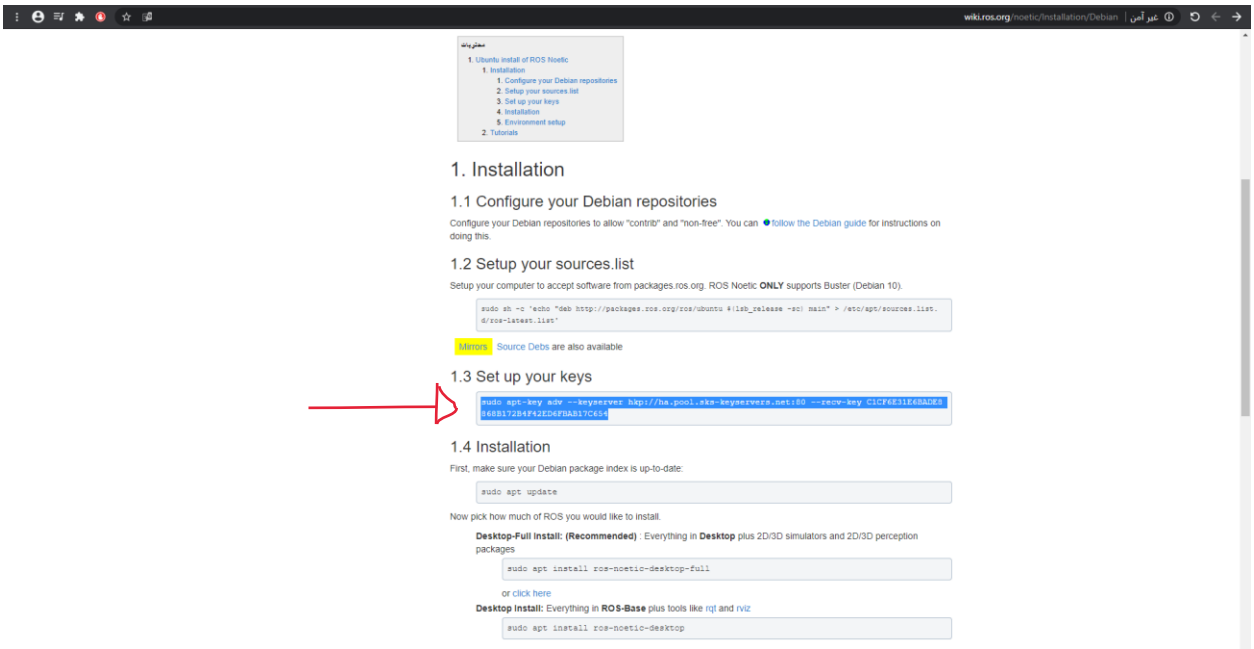


"enter" بعدها انسخ النصوص المحدد عليها في الصور الى لوحة الاوامر بالترتيب واضغط

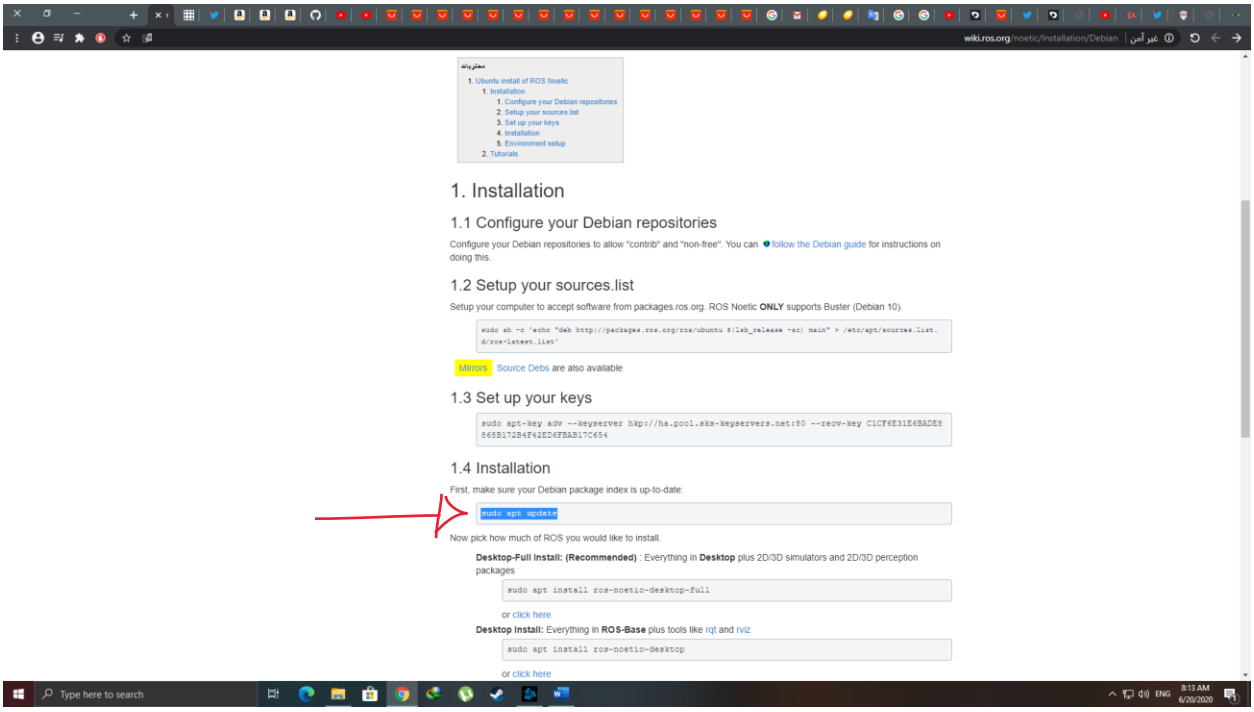
-1



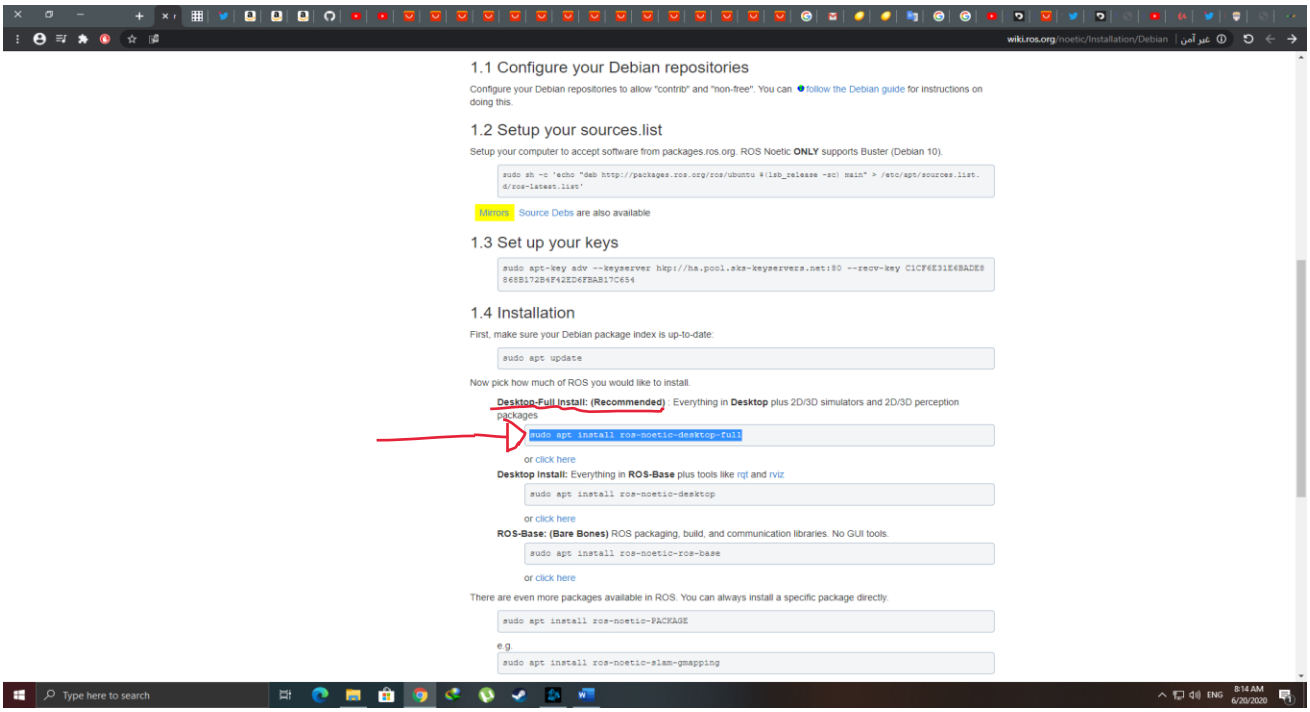
-2



-3


wiki.ros.org/noetic/Installation/Debian
محتويات
1. Ubuntu install of ROS Noetic
1. Installation
1. Configure your Debian repositories
2. Setup your sources.list
3. Set up your keys
4. Installation
5. Environment setup
2. Tutorials
1. Installation
1.1 Configure your Debian repositories
Configure your Debian repositories to allow "contrib" and "non-free". You can follow the Debian guide for instructions on doing this.
1.2 Setup your sources.list
Setup your computer to accept software from packages.ros.org. ROS Noetic ONLY supports Buster (Debian 10).
sudo sh -c 'echo "deb http://packages.ros.org/ros/ubuntu $(lsb_release -sc) main" > /etc/apt/sources.list.d/ros-latest.list'
Mirrors Source Debs are also available
1.3 Set up your keys
sudo apt-key adv --keyserver hkp://ha.pool.sks-keyservers.net:80 --recv-key C1CF6E31E6BADE8868B172B4F42ED6FBAB17C654
1.4 Installation
First, make sure your Debian package index is up-to-date:
sudo apt update
Now pick how much of ROS you would like to install.
Desktop-Full Install: (Recommended) : Everything in Desktop plus 2D/3D simulators and 2D/3D perception packages
sudo apt install ros-noetic-desktop-full
or click here
Desktop Install: Everything in ROS-Base plus tools like rqt and rviz
sudo apt install ros-noetic-desktop
or click here
Type here to search
ENG
8:13 AM
6/20/2020

-4.1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Desktop Install: Everything in ROS-Base plus tools like rqt and rviz
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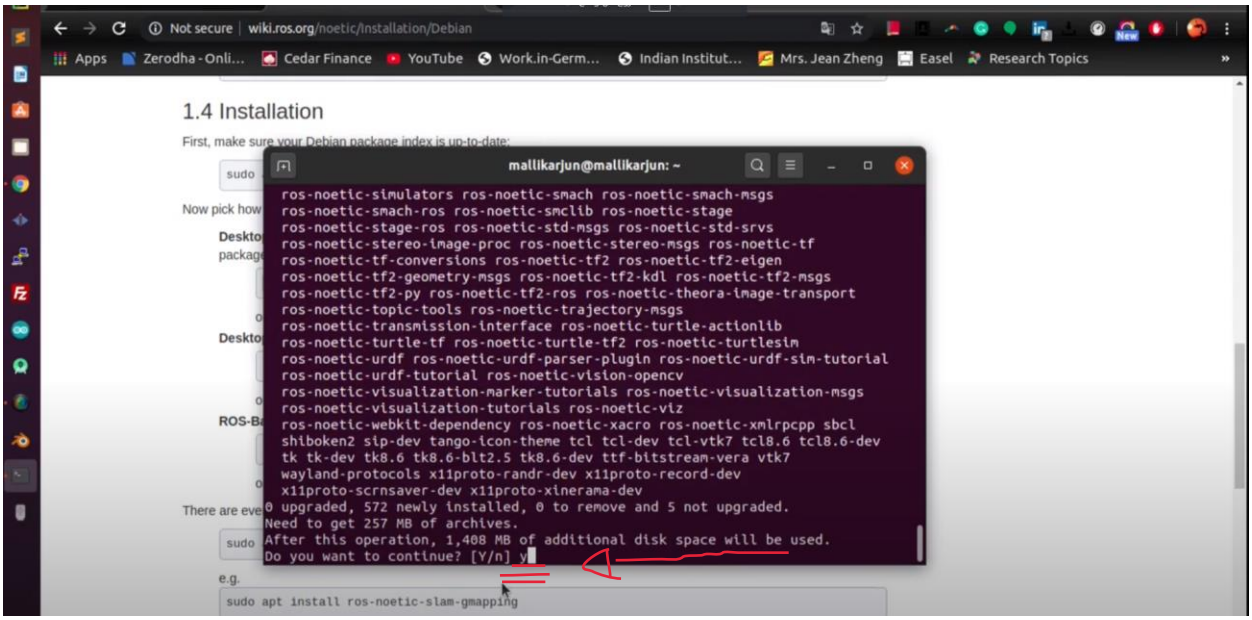
or click here
ROS-Base: (Bare Bones) ROS packaging, build, and communication libraries. No GUI tools.
sudo apt install ros-noetic-ros-base
or click here
There are even more packages available in ROS. You can always install a specific package directly.
sudo apt install ros-noetic-PACKAGE
e.g.
sudo apt install ros-noetic-slam-gmapping
Type here to search
ENG
8:14 AM
6/20/2020

4.2

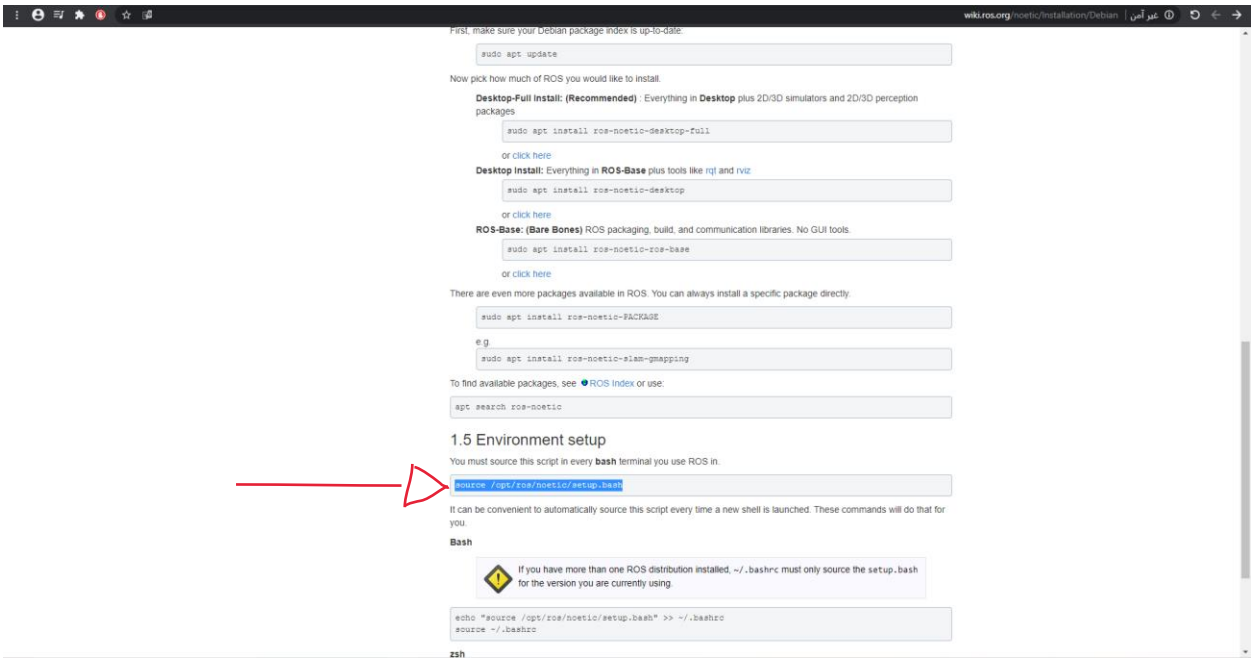
بيطلب منك الاستمرار اكتب الحرف

"y"

ثم"enter"



5-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To find available packages, see ROS Index or use:
apt search ros-noetic
1.5 Environment setup
You must source this script in every bash terminal you use ROS in.
source /opt/ros/noetic/setup.bash
It can be convenient to automatically source this script every time a new shell is launched. These commands will do that for you.
Bash
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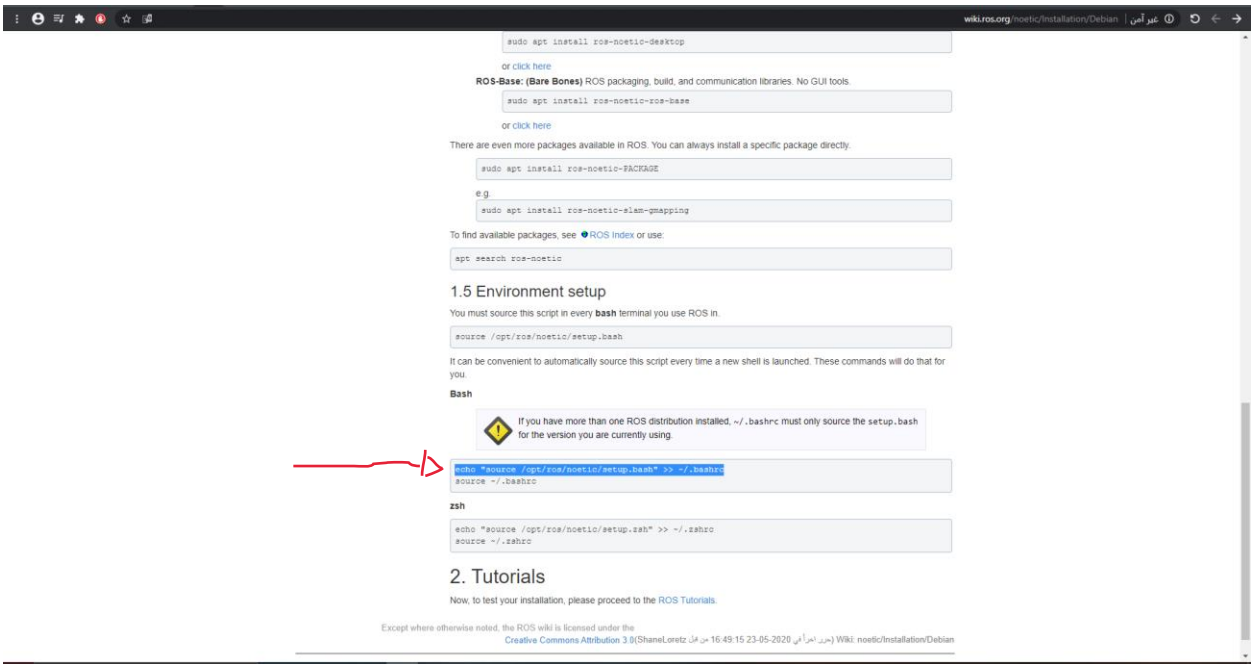
zsh

6.1-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2. Tutorials
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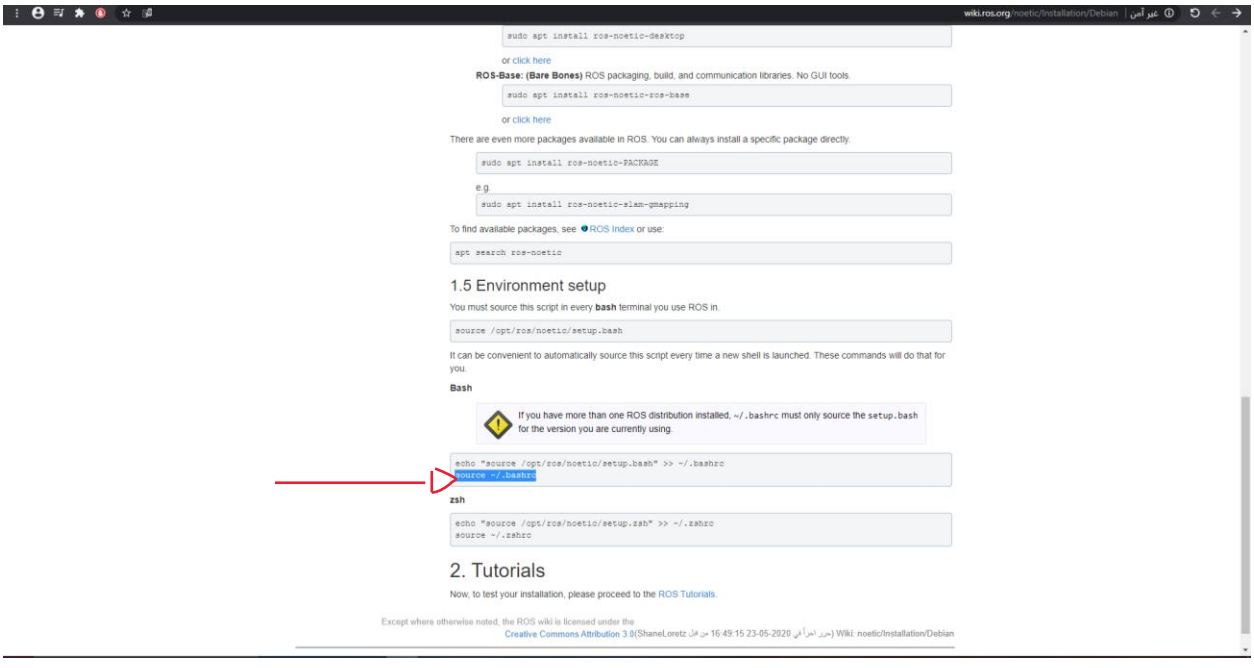
6.2-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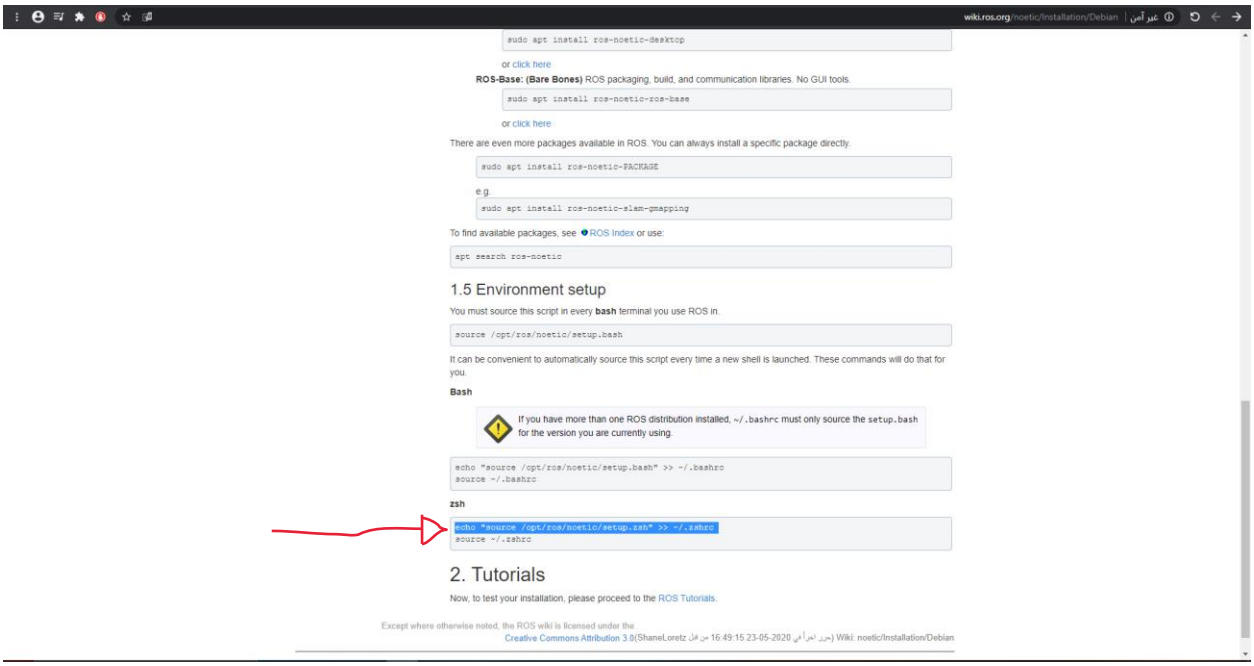
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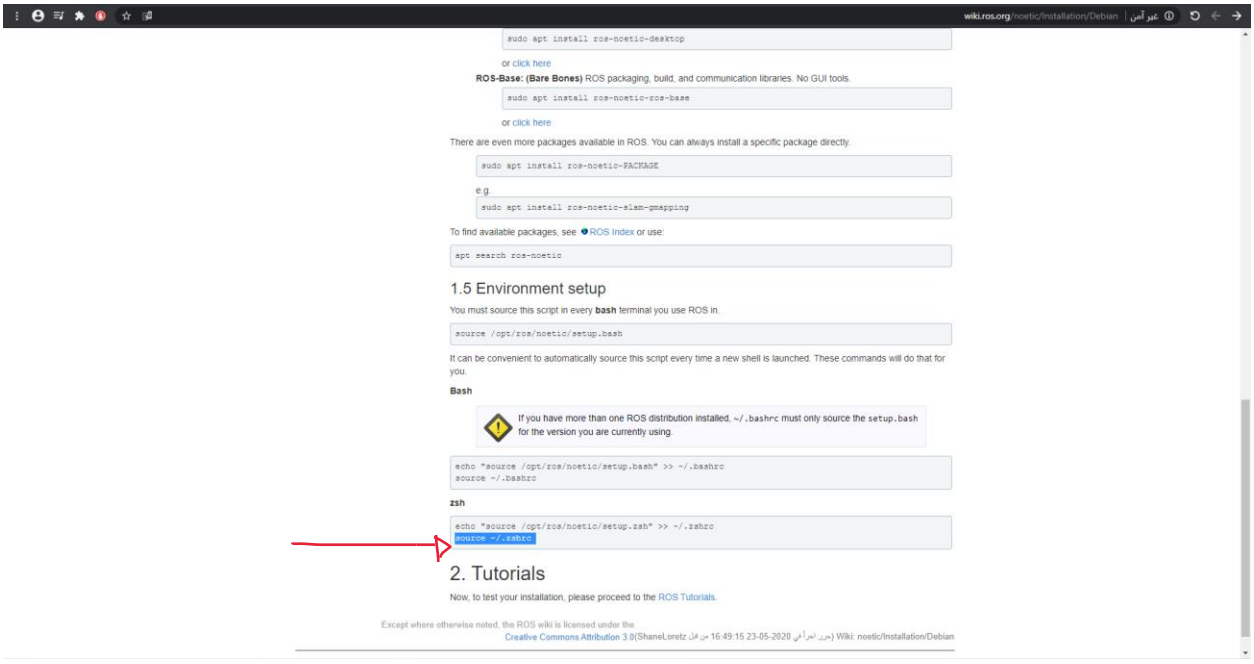
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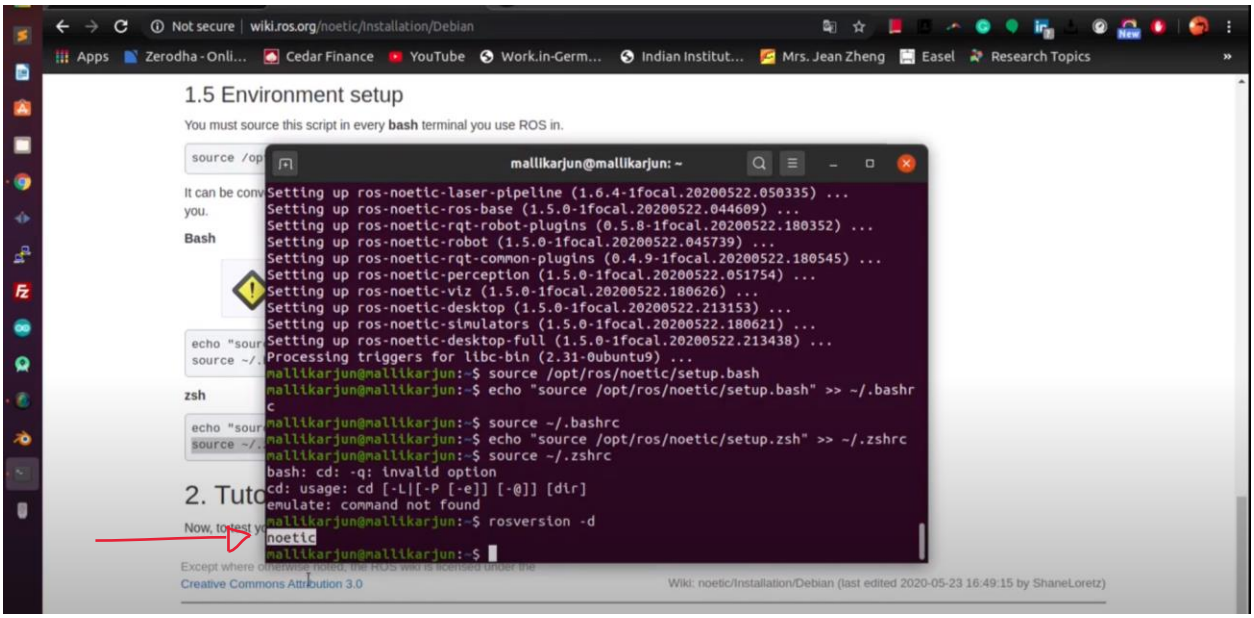
الان تم التنصيب وللتاكد اكتب الامر التالي

rosversion -d

الكلمة المحددة في الصورة ادناه هي اسم نسخة اصدار البرنامج



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