

Install ROS (Robot-Operating-System) NOETIC NINJEMYS Version on Ubuntu 20.04 For Windows 10 users

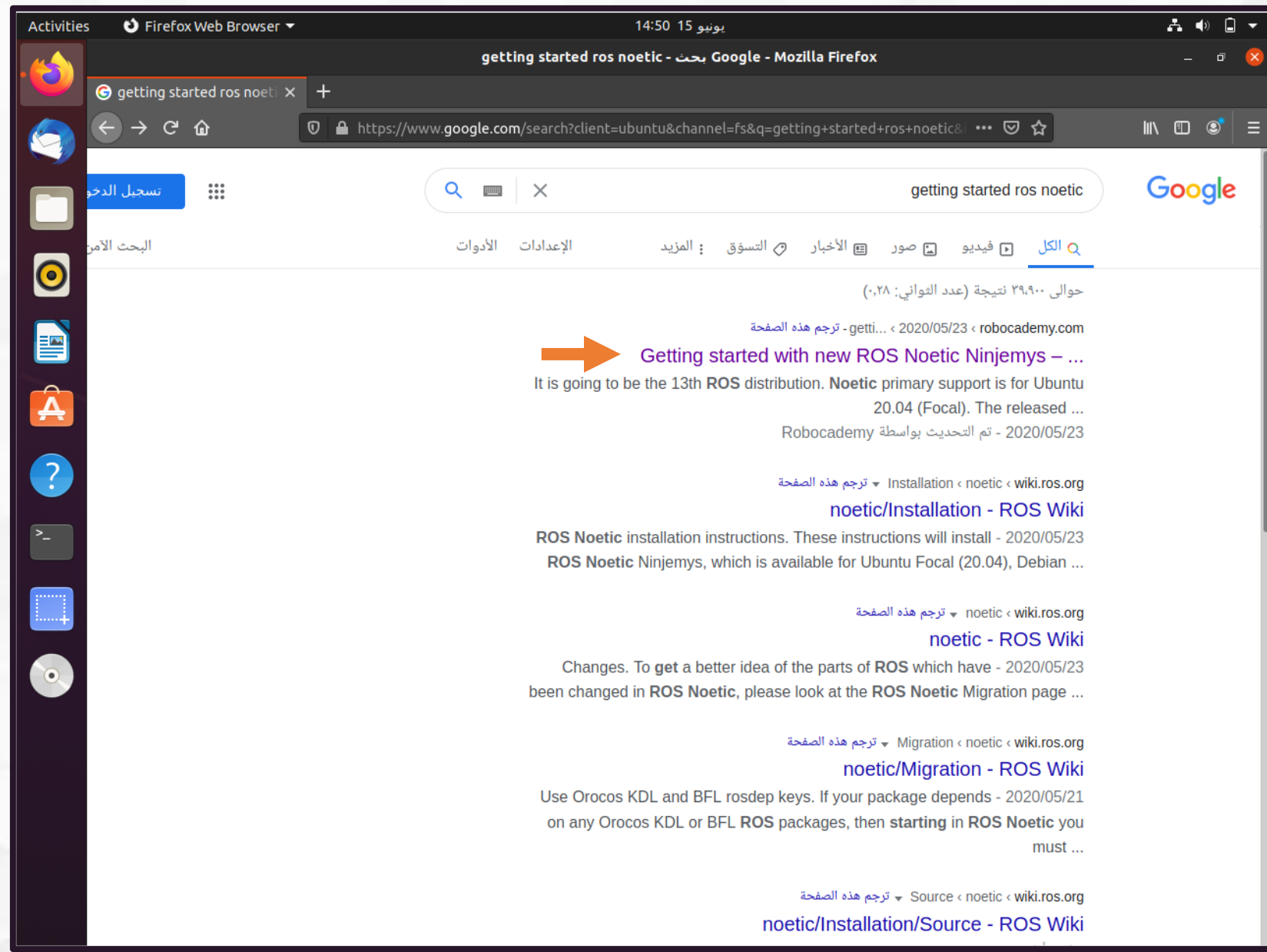
ROS



ubuntu

Step 1

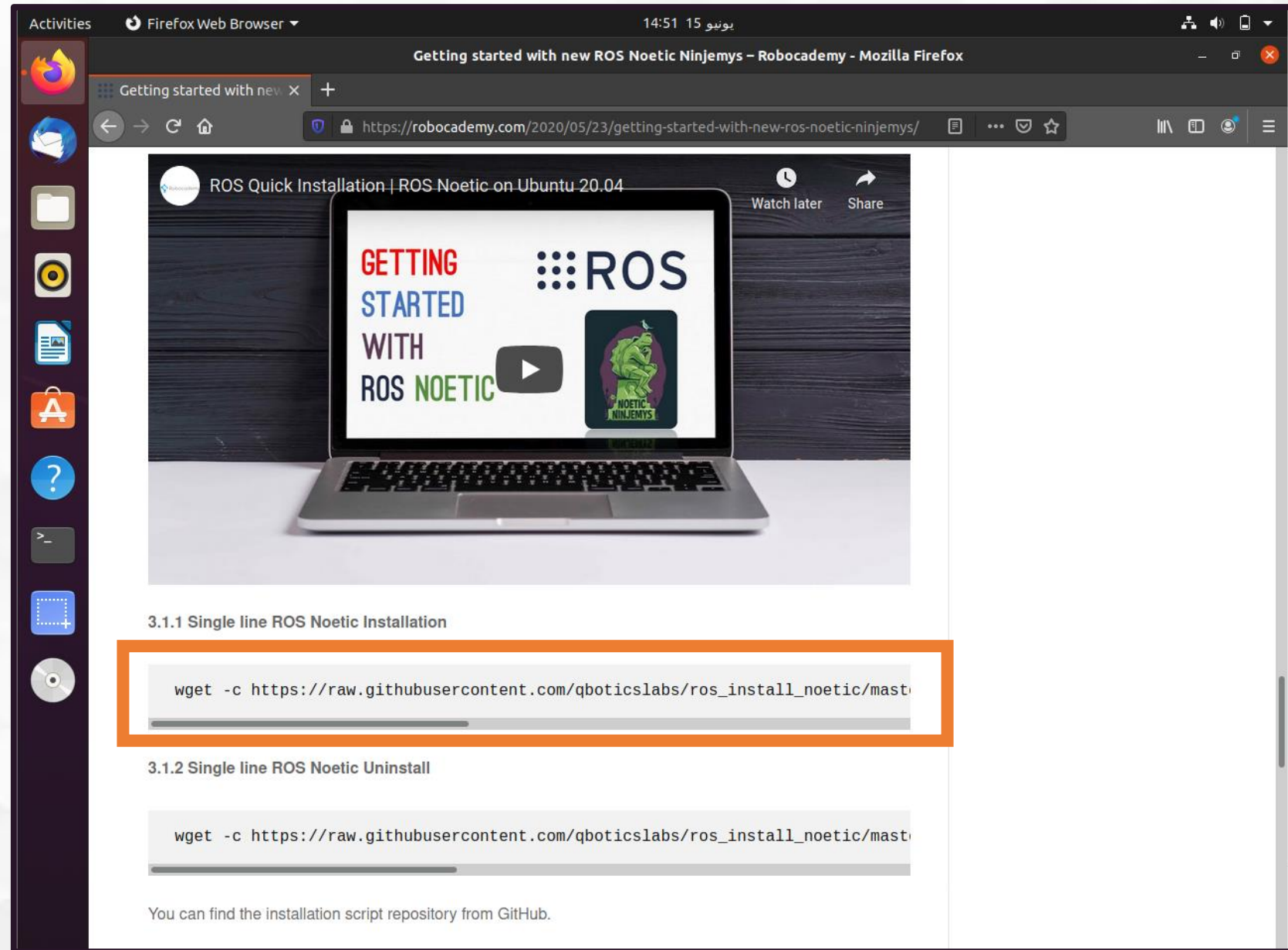
Open **FireFox** browser,
then search for
“**getting started ROS noetic**”, after that
choose the first link
as shown in *figure_1*.



figure_1

Step 2

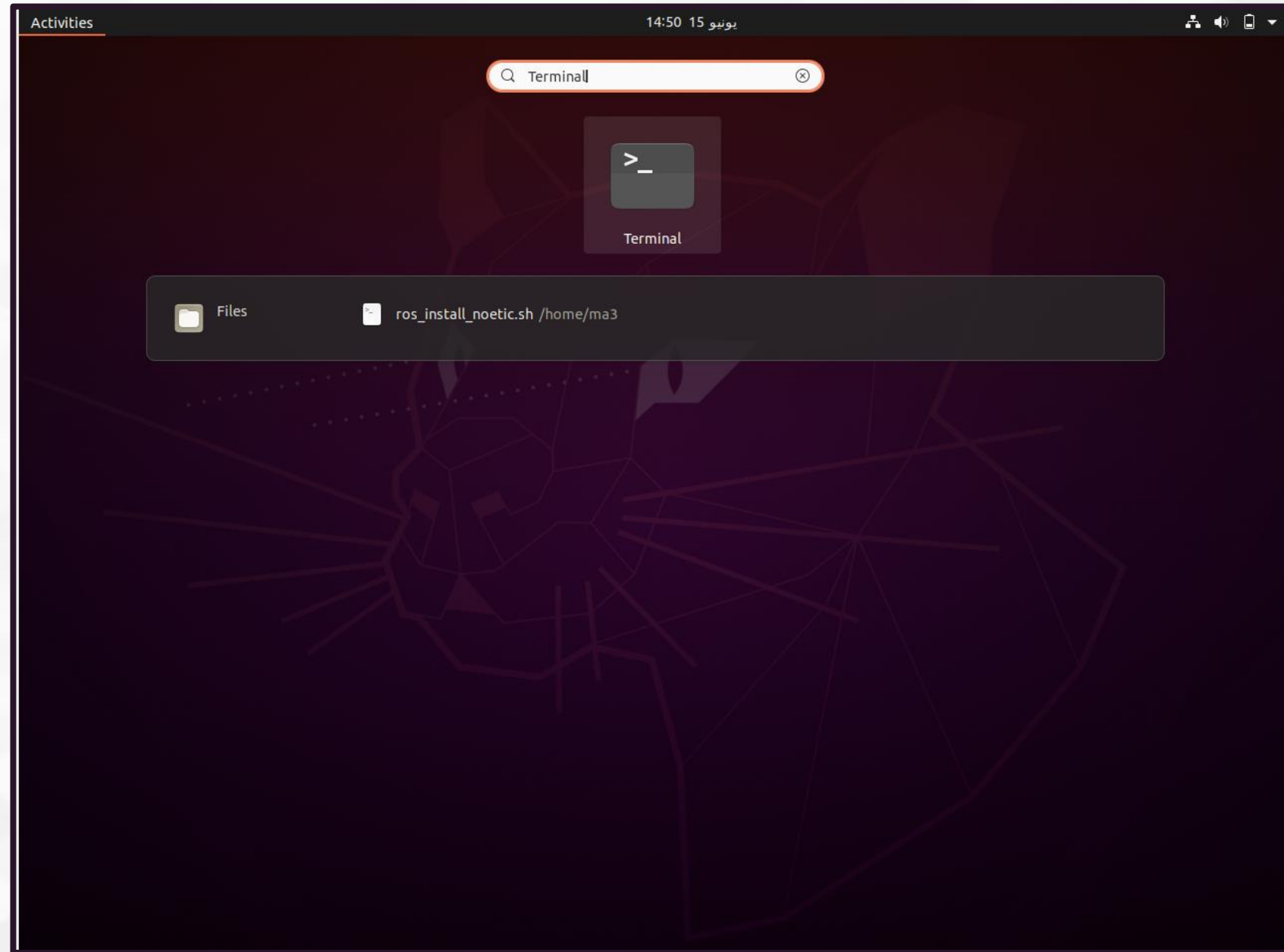
Scroll down until reach “**3.1.1 Single line ROS Noetic installation**” as shown in *figure_2*, then double click on code line to select it and right-click on it to copy it.



figure_2

Step 3

Open application icon
, search for
“**Terminal**” and click
on it to open the
program. *Figure_3*

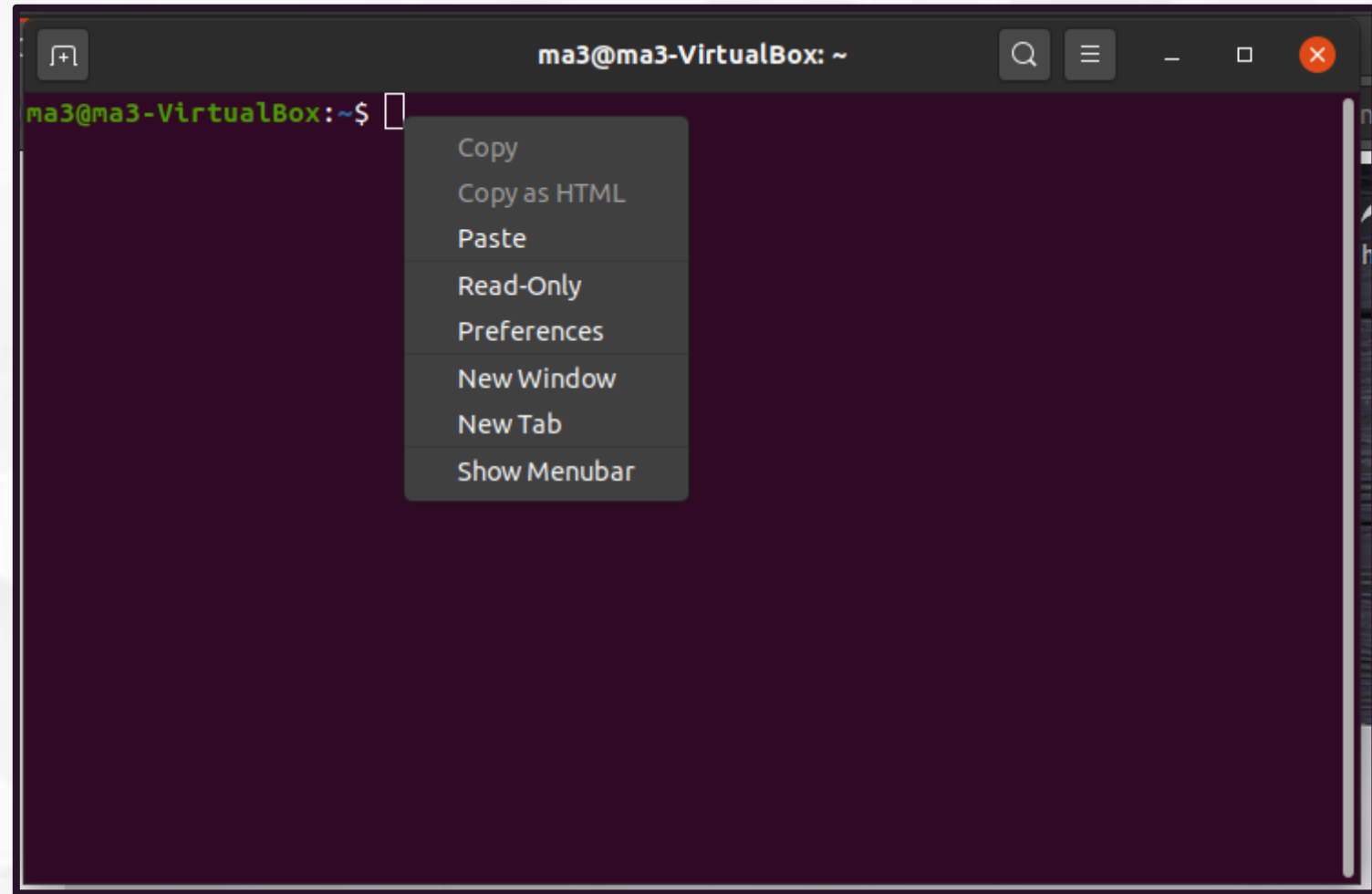


figure_3

Step 4

After opening Terminal, right-click to paste the line code then hit “Enter” key on your keyboard to run the code. *Figure_4*

Notice: It may ask for your password. Password will not shown in screen, just write and hit “Enter”.



figure_4

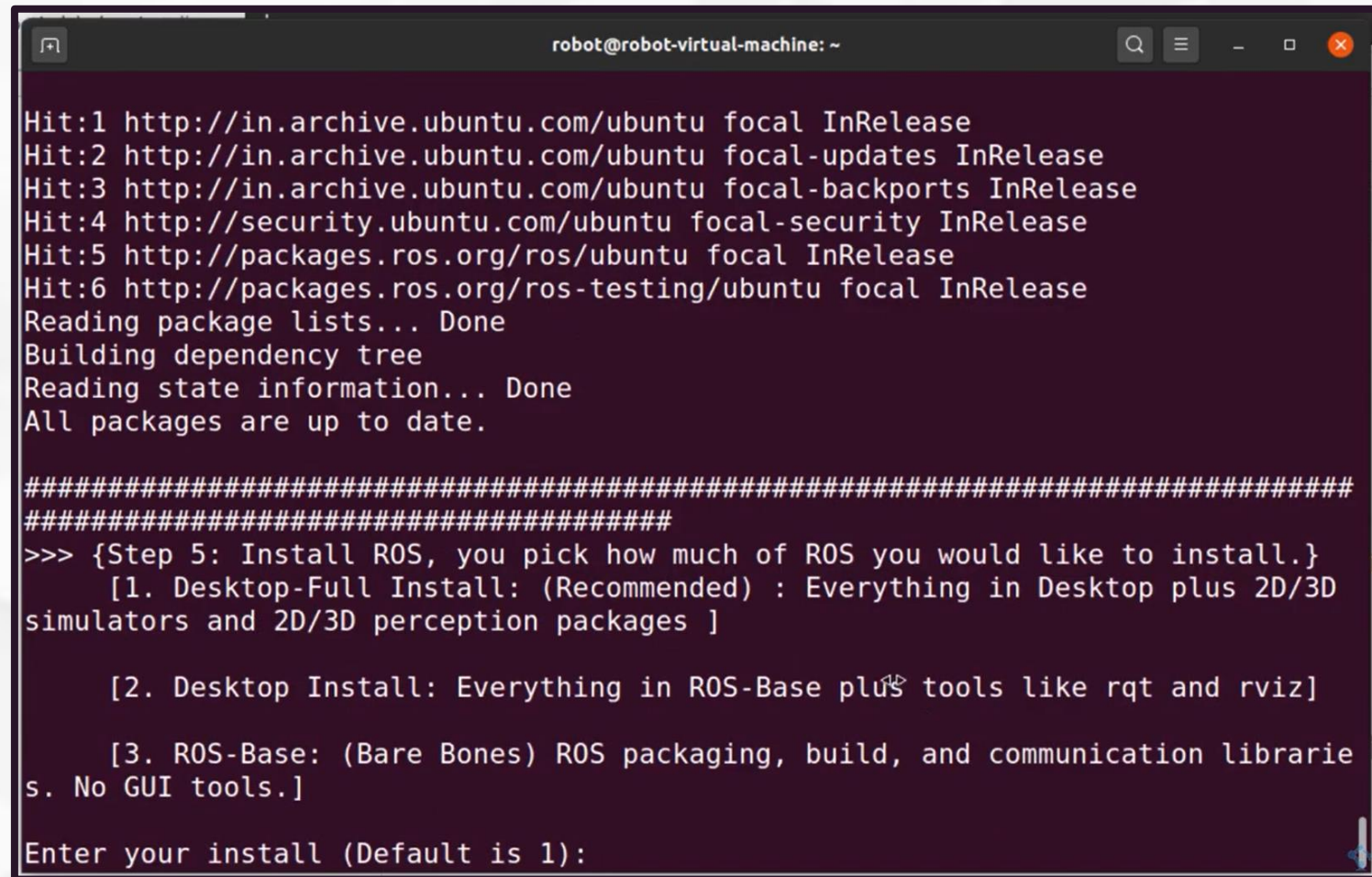
Step 5

After a few minutes, it asks for **package type** you want to install, write “1” then hit “Enter”.

Installation may take 20-30 minutes.

For more illustration:

<https://www.youtube.com/watch?v=lqrpSi2Xueg&t=5s>

A terminal window titled 'robot@robot-virtual-machine: ~' showing the progress of ROS installation. It lists several mirrors and their release status, then asks for the package type to install. The user has entered '1' for 'Desktop-Full Install'.

```
robot@robot-virtual-machine: ~  
Hit:1 http://in.archive.ubuntu.com/ubuntu focal InRelease  
Hit:2 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease  
Hit:3 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease  
Hit:4 http://security.ubuntu.com/ubuntu focal-security InRelease  
Hit:5 http://packages.ros.org/ros/ubuntu focal InRelease  
Hit:6 http://packages.ros.org/ros-testing/ubuntu focal InRelease  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
All packages are up to date.  
  
#####  
#####  
>>> {Step 5: Install ROS, you pick how much of ROS you would like to install.}  
[1. Desktop-Full Install: (Recommended) : Everything in Desktop plus 2D/3D  
simulators and 2D/3D perception packages ]  
  
[2. Desktop Install: Everything in ROS-Base plus tools like rqt and rviz]  
  
[3. ROS-Base: (Bare Bones) ROS packaging, build, and communication libraries.  
No GUI tools.]  
  
Enter your install (Default is 1):
```

figure_5