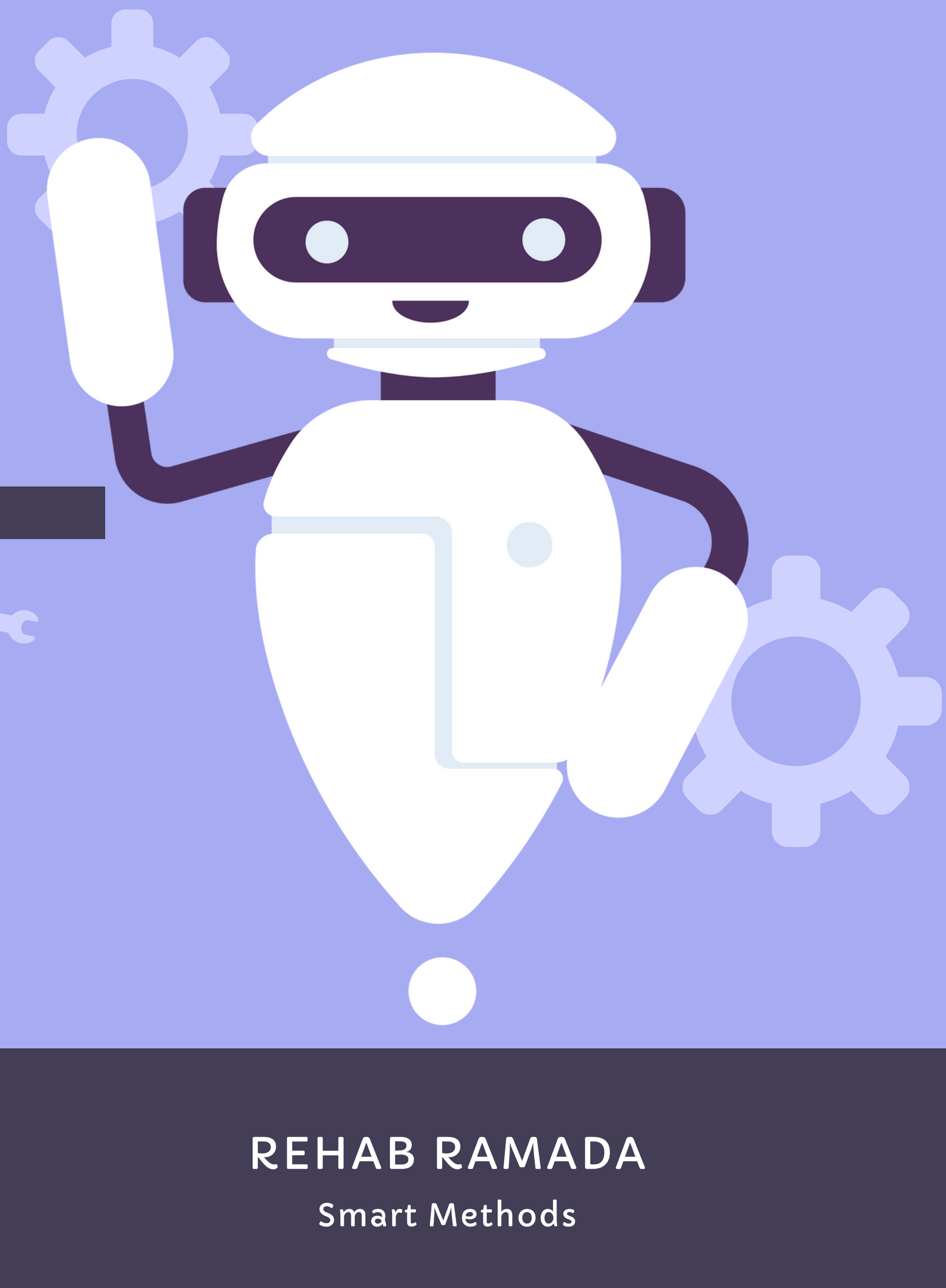
DOWNLOAD ROS



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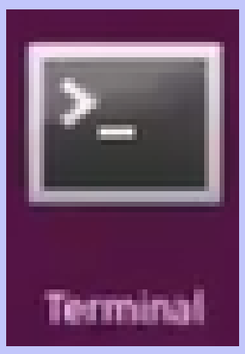
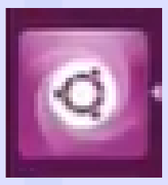
تثبيت نظام تشغيل ROS

تثبيت على المحاكي - تثبيت على jets on Nano

بعد الأكمال من تنصيب Ubnutu
فتح FireFox wep

رابط اوامر تثبيت ros
من الرابط(https://s-m.com.sa/ros.txt)



والضغط على  ثم البحث عن

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ونقوم بنسخ الأوامر من (https://s-m.com.sa/ros.txt) ثم لصقها في نافذة Terminal ونستمر في نسخ الأوامر ولقصها

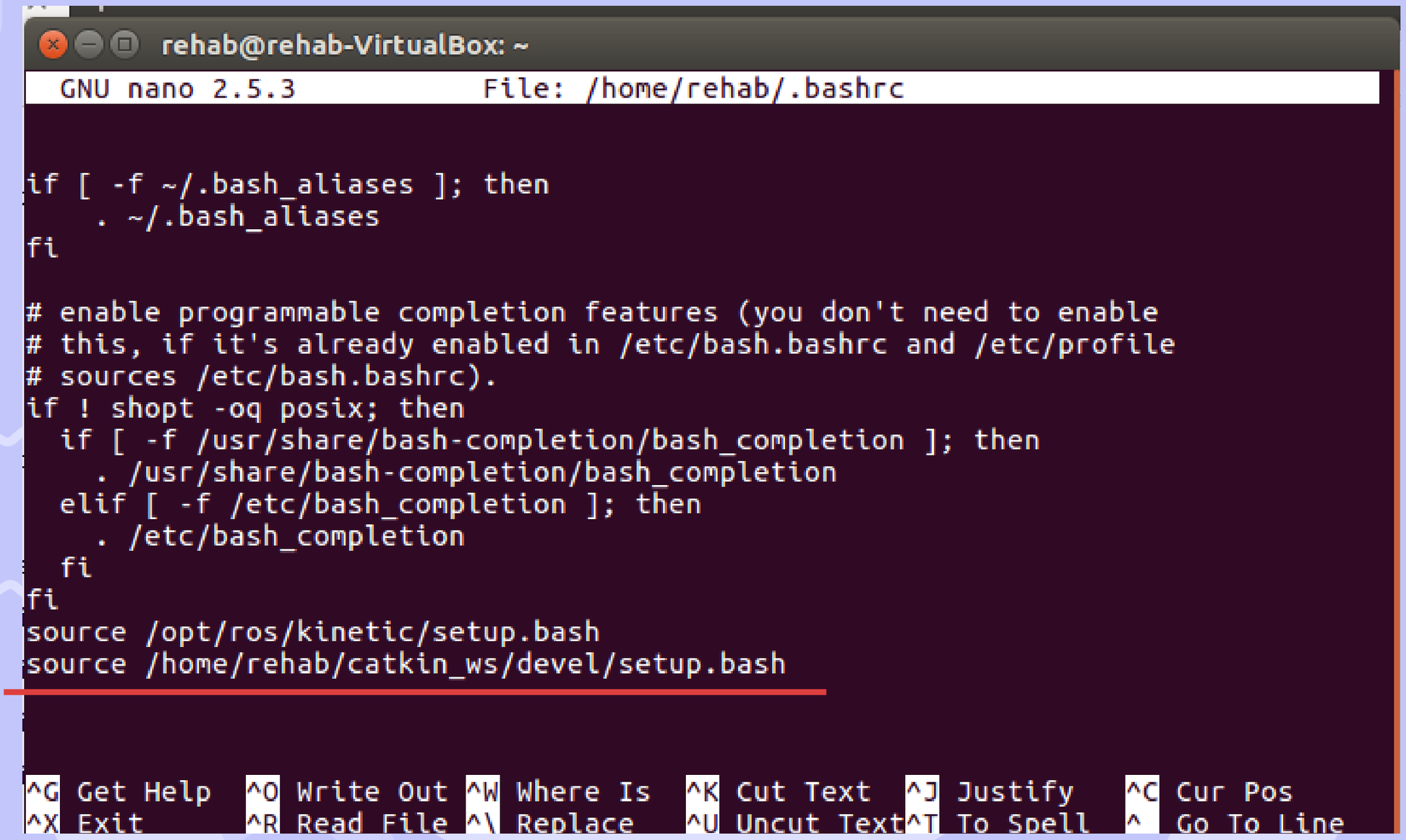
sudo nano ~/.bashrc

ثم كتابة الباسوارت

الخطوة الأخير إضافة سطر (source /home/wesam/catkin_ws/devel/setup.bash)

الانتقال الى نهاية

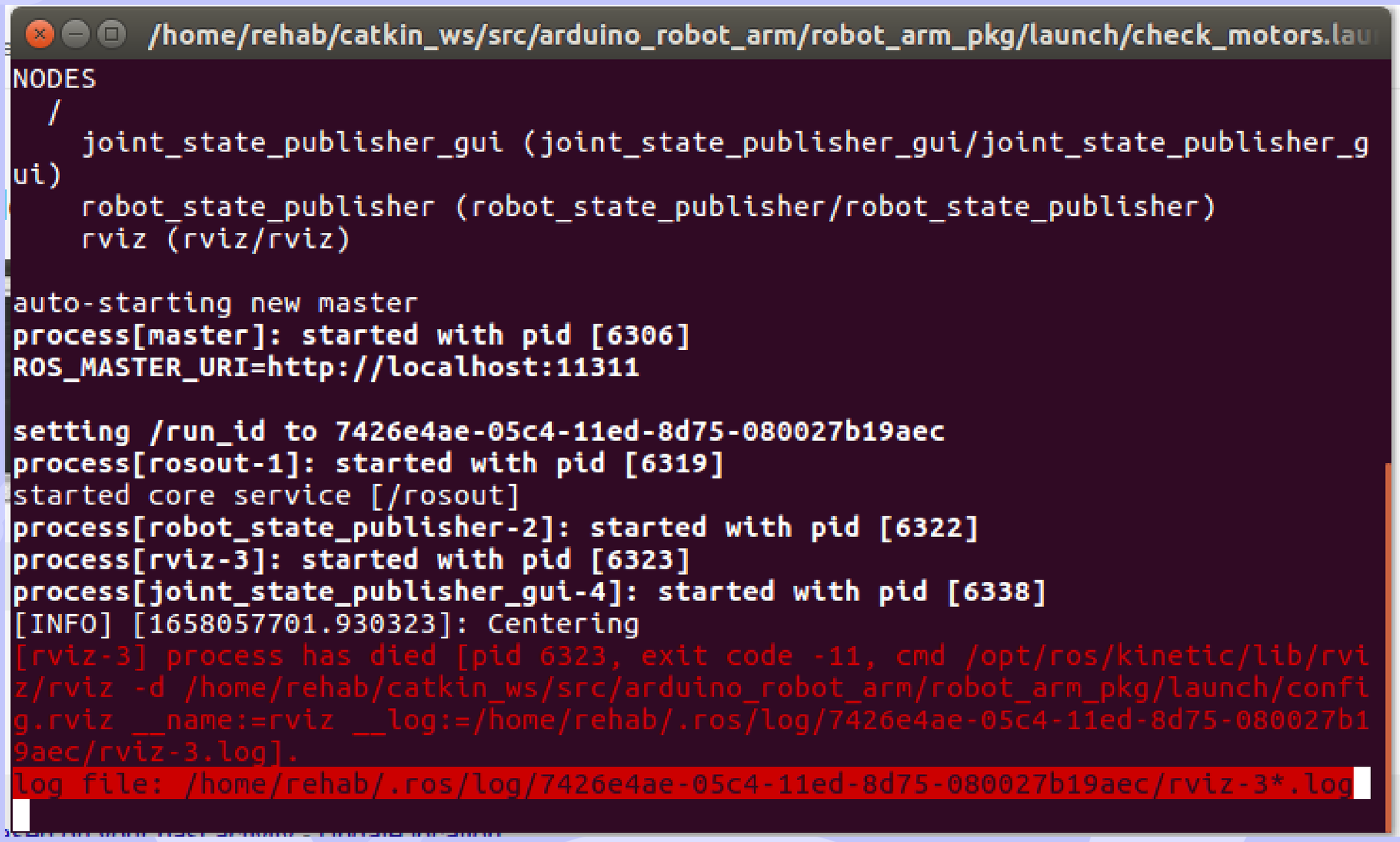
ويجب تغير الاسم الملون بالأحمر بسم نظام Ubnutu



ctrl + O - enter - ctrl + X

يقوم بتحديث الملف source ~/.bashrc

roslaunch robot_arm_pkg
check_motors.launch
للبداء في تثبيت الروز



وجهتني مشكلة في التثبيت والحل بسيط
قمة بأعاده تشغيل الجهاز واغلاق البرامج
وبعد تشغيله من جديد كان كل شيء تحت
السيطرة

```
rehab@rehab-VirtualBox: ~/installROS
'
rehab@rehab-VirtualBox:~$ cd installROS
bash: cd: installROS: No such file or directory
rehab@rehab-VirtualBox:~$ cd installROS/
bash: cd: installROS/: No such file or directory
rehab@rehab-VirtualBox:~$ git clone https://github.com/JetsonHacksNano/installRO
S
Cloning into 'installROS'...
remote: Enumerating objects: 44, done.
remote: Counting objects: 100% (16/16), done.
remote: Compressing objects: 100% (16/16), done.
remote: Total 44 (delta 6), reused 0 (delta 0), pack-reused 28
Unpacking objects: 100% (44/44), done.
Checking connectivity... done.
rehab@rehab-VirtualBox:~$ cd install ROS
bash: cd: install: No such file or directory
rehab@rehab-VirtualBox:~$ cd installROS
rehab@rehab-VirtualBox:~/installROS$ ls
installROS.sh  LICENSE  README.md  setupCatkinWorkspace.sh
rehab@rehab-VirtualBox:~/installROS$ / installROS -h
bash: /: Is a directory
rehab@rehab-VirtualBox:~/installROS$ /installROS -h
bash: /installROS: No such file or directory
rehab@rehab-VirtualBox:~/installROS$ ./installROS -h
```

```
/home/rehab/catkin_ws/src/arduino_robot_arm/robot_arm_pkg/launch/check_motors.lau
rehab@rehab-VirtualBox:~$ sudo nano ~/.bashrc
[sudo] password for rehab:
rehab@rehab-VirtualBox:~$ source ~/.bashrc
rehab@rehab-VirtualBox:~$ sudo nano ~/.bashrc
rehab@rehab-VirtualBox:~$ source ~/.bashrc
rehab@rehab-VirtualBox:~$ roslaunch robot_arm_pkg check_motors.launch
... logging to /home/rehab/.ros/log/1cbf5fe2-178b-11ed-aff3-080027d24025/roslaun
ch-rehab-VirtualBox-2579.log
Checking log directory for disk usage. This may take awhile.
Press Ctrl-C to interrupt
Done checking log file disk usage. Usage is <1GB.

started roslaunch server http://rehab-VirtualBox:37275/

SUMMARY
========

PARAMETERS
 * /robot_description: <?xml version="1....
 * /rosdistro: kinetic
 * /rosversion: 1.12.17

NODES
  /
```

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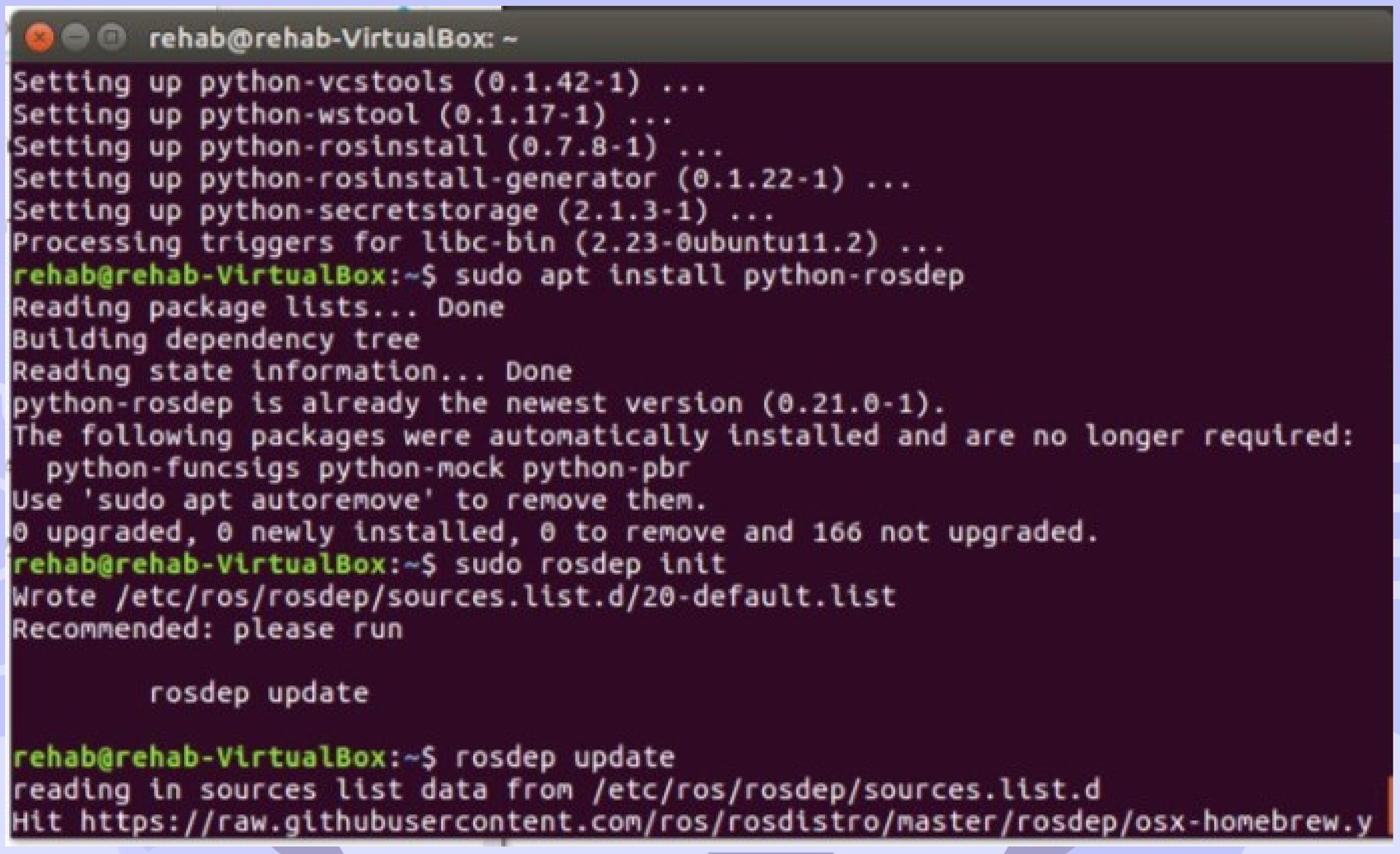

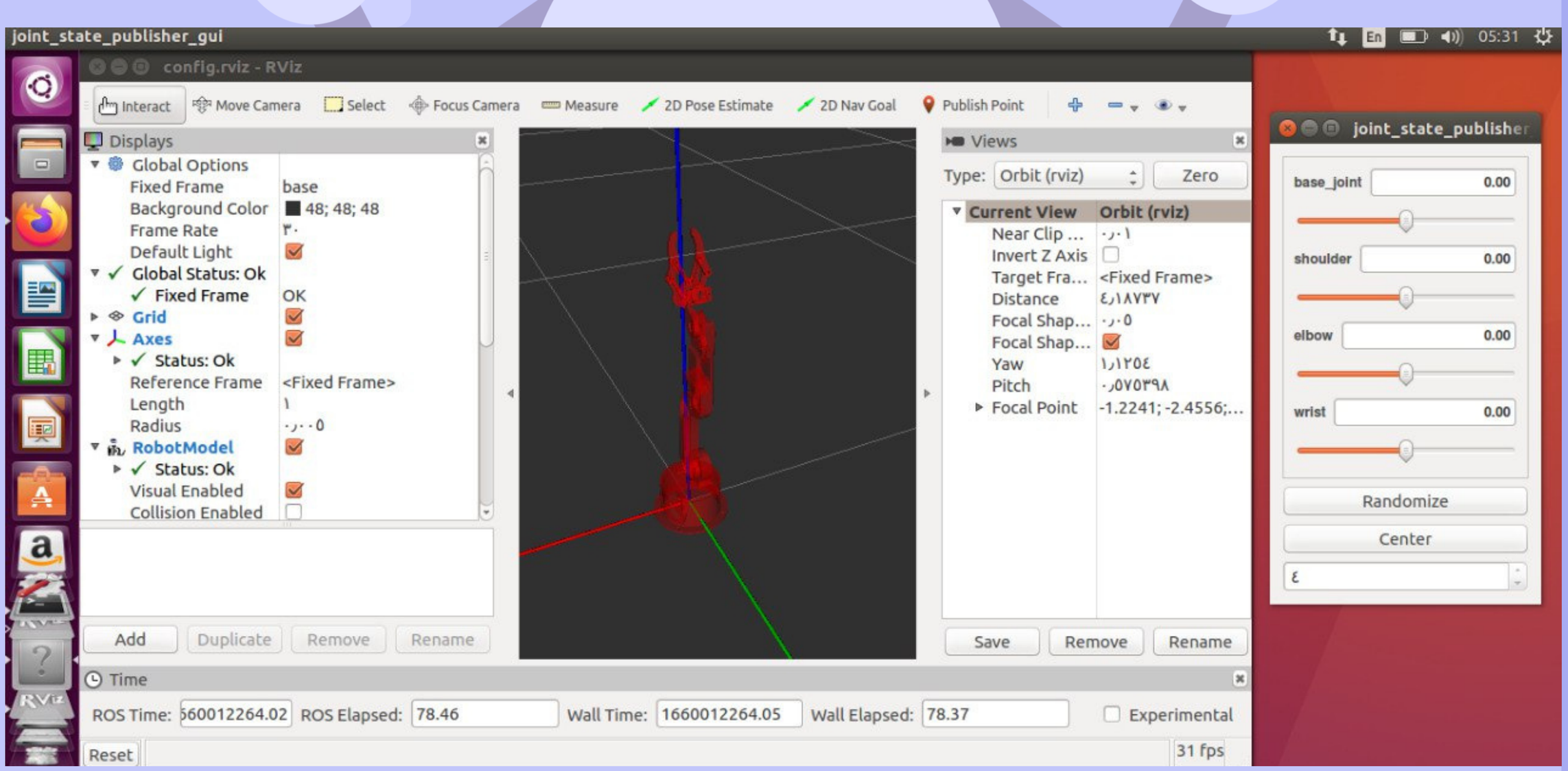

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