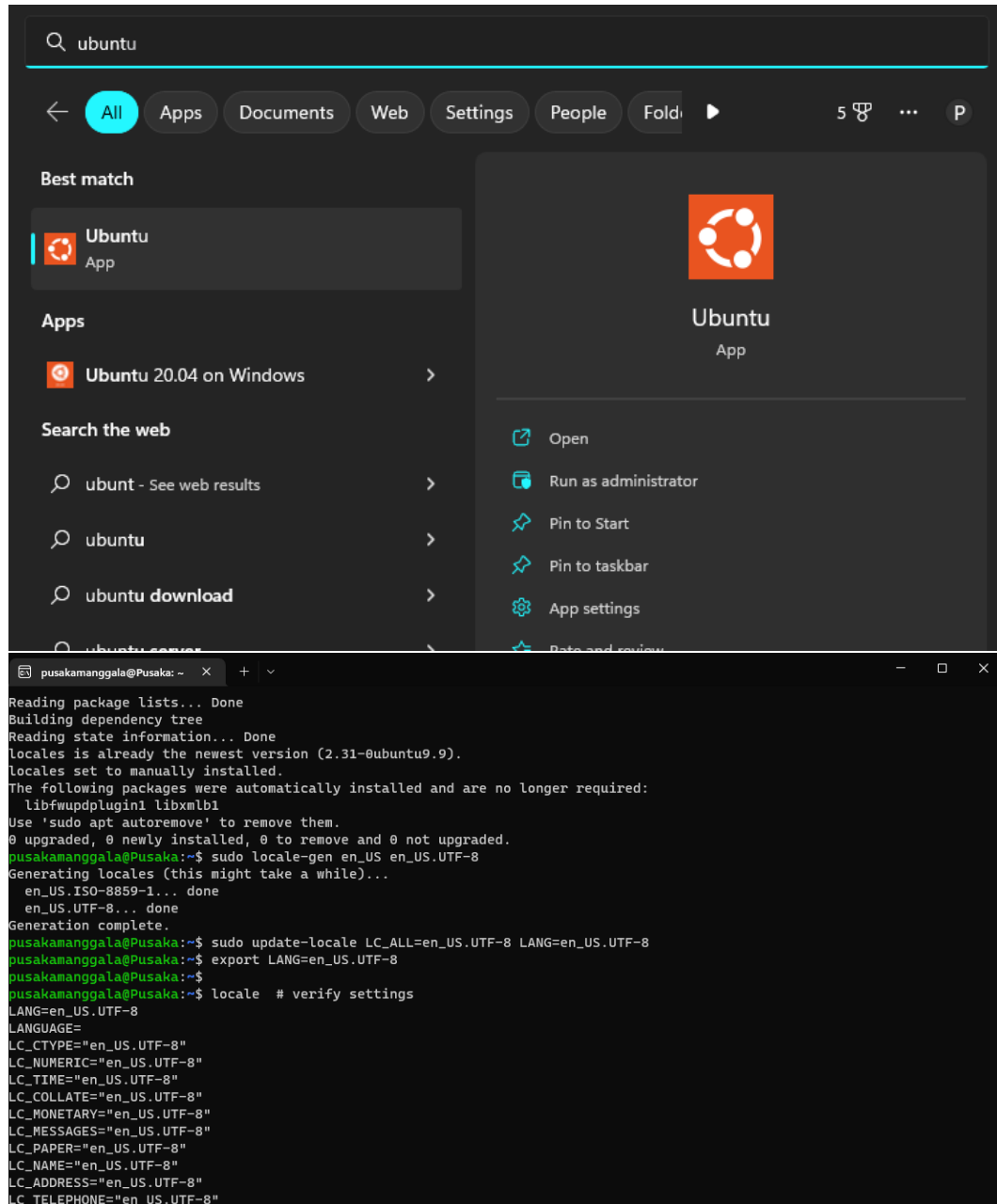


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Tutorial 9 : The Supervisor

1. Install ros melalui WSL

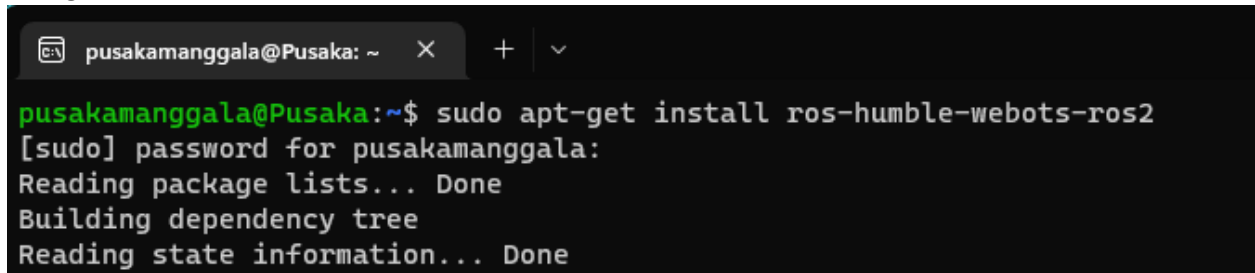


The image shows a Windows Search interface at the top, with 'ubuntu' entered in the search bar. The 'All' tab is selected, showing 'Best match' results for 'Ubuntu App'. Below this, there are sections for 'Apps' (listing 'Ubuntu 20.04 on Windows') and 'Search the web' (listing various search results). The bottom part of the image shows a WSL terminal window with the following output:

```
pusakamanggala@Pusaka: ~  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
locales is already the newest version (2.31-0ubuntu9.9).  
locales set to manually installed.  
The following packages were automatically installed and are no longer required:  
  libfwupdplugin1 libxmlb1  
Use 'sudo apt autoremove' to remove them.  
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.  
pusakamanggala@Pusaka:~$ sudo locale-gen en_US en_US.UTF-8  
Generating locales (this might take a while)...  
  en_US.ISO-8859-1... done  
  en_US.UTF-8... done  
Generation complete.  
pusakamanggala@Pusaka:~$ sudo update-locale LC_ALL=en_US.UTF-8 LANG=en_US.UTF-8  
pusakamanggala@Pusaka:~$ export LANG=en_US.UTF-8  
pusakamanggala@Pusaka:~$  
pusakamanggala@Pusaka:~$ locale # verify settings  
LANG=en_US.UTF-8  
LANGUAGE=  
LC_CTYPE="en_US.UTF-8"  
LC_NUMERIC="en_US.UTF-8"  
LC_TIME="en_US.UTF-8"  
LC_COLLATE="en_US.UTF-8"  
LC_MONETARY="en_US.UTF-8"  
LC_MESSAGES="en_US.UTF-8"  
LC_PAPER="en_US.UTF-8"  
LC_NAME="en_US.UTF-8"  
LC_ADDRESS="en_US.UTF-8"  
LC_TELEPHONE="en_US.UTF-8"
```

Link : [Ubuntu \(Debian\) — ROS 2 Documentation: Humble documentation](#)

2. Intergratte WSL to ros 2 and webots

A terminal window with a dark background. The title bar shows 'pusakamanggala@Pusaka: ~' with a close button, a plus sign, and a dropdown arrow. The terminal text is as follows:

```
pusakamanggala@Pusaka:~$ sudo apt-get install ros-humble-webots-ros2
[sudo] password for pusakamanggala:
Reading package lists... Done
Building dependency tree
Reading state information... Done
```

Link : [Windows Installation Guide · cyberbotics/webots_ros2 Wiki \(github.com\)](https://wiki.ros.org/webots/Installation/Windows)