Configure the Development Environment in Ubuntu 22.04

Update the System

Before installing any new package, make sure your system is up-to-date.

```
Unset
sudo apt-get update && sudo apt-get upgrade
```

Terminator

Terminator is a very flexible alternative to the standard Ubuntu terminal. To install it, you can use the command:

```
Unset
sudo apt-get install terminator
```

Install ROS 2 packages

In many lesson, we will use some amazing ROS 2 Packages that are available Open Source. You will need to install all of them in your PC.

```
Unset
sudo apt-get install ros-humble-ros2-control
sudo apt-get install ros-humble-ros2-controllers
sudo apt-get install ros-humble-xacro
sudo apt-get install ros-humble-ros-gz-*
sudo apt-get install ros-humble-*-ros2-control
sudo apt-get install ros-humble-joint-state-publisher-gui
sudo apt-get install ros-humble-turtlesim
sudo apt-get install ros-humble-robot-localization
sudo apt-get install ros-humble-joy
sudo apt-get install ros-humble-joy-teleop
sudo apt-get install ros-humble-tf-transformations
```

Install Python Packages

Finally, as we are going to develop our robot's code using both C++ and Python, we need some additional Python packages.

```
Unset
sudo apt-get install python3-pip
pip install transforms3d
```