# Lab Report 1

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## Last Week's Goal:

For this week, the goal I had been given is to get the initial setups of ROS2 and a linkage to Webots by January 22nd. I have spent at least 24 hours with installations and troubleshooting since last Sunday. As it stands right now, I have the initial setup of ROS2 and after work tonight I could very well have a linkage between ROS2 and Webots. With the number of errors and effort I have gone through I know that there will very likely be an issue with me having it linked with Webots by tonight.

## Summary:

This last week I have installed ROS2 and began linking it to Webots on my windows laptop and ran into many errors just installing ROS2. Working with Justin Rodney I had finally installed ROS. On Wednesday I gave up on windows and began finding a way to use Linux on my laptop to make the process easier, since there were several tutorials setting up ROS2 and also linking it to Webots but only for Ubuntu. I dual booted my laptop 4 times, with the 4th time I installed "Ubuntu 20.04 local", which is what ROS2 was basically made for. I have setup ROS2 with my new Linux boot today and will be following tutorials to link to Webots after work. Even though I am still a few hours away from this week's goal I have learned many new things.

- Pathing (no previous knowledge)
- ROS installation (windows & Linux)
- Finding solutions to errors online (moderately)
- How to Dual Boot a laptop with Windows and Linux
- Altering Partitions on my PC (very dangerous)
- Interfaces of Linux Mint
- Interfaces of Linux Ubuntu

## Next Week:

Within the next week I am hoping to not only have Webots and ROS2 linked on my Linux, but I intend to have the entire Task 1 completed so that I can start working with the robots. Hopefully, I will not encounter many more errors and I also will try to not spend at least 4 hours a day to complete this task. All my setbacks have not deterred me from completing my task. Thank you for the opportunity and your time.