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**Mtech Student**
**Mech.Engg.**

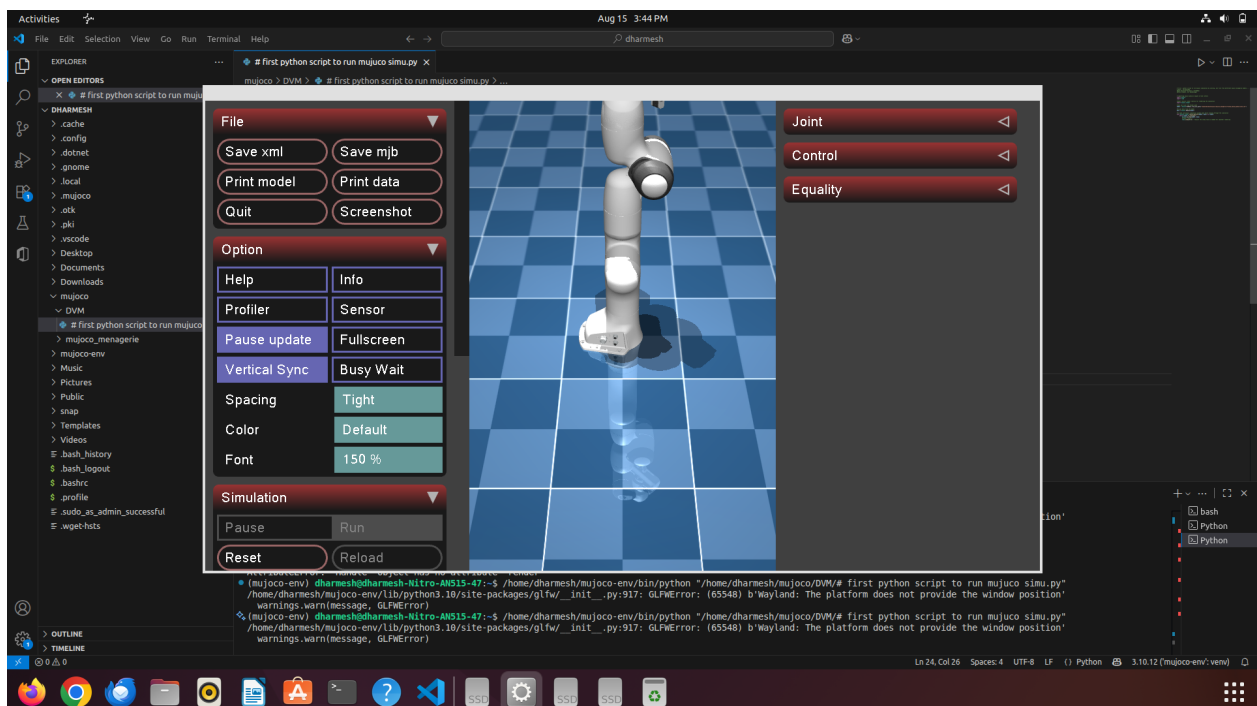<u>**Tutorial-1**</u>

**Task-1**
**Launch MuJoCo inside ROS 2 using mujoco ros.\***
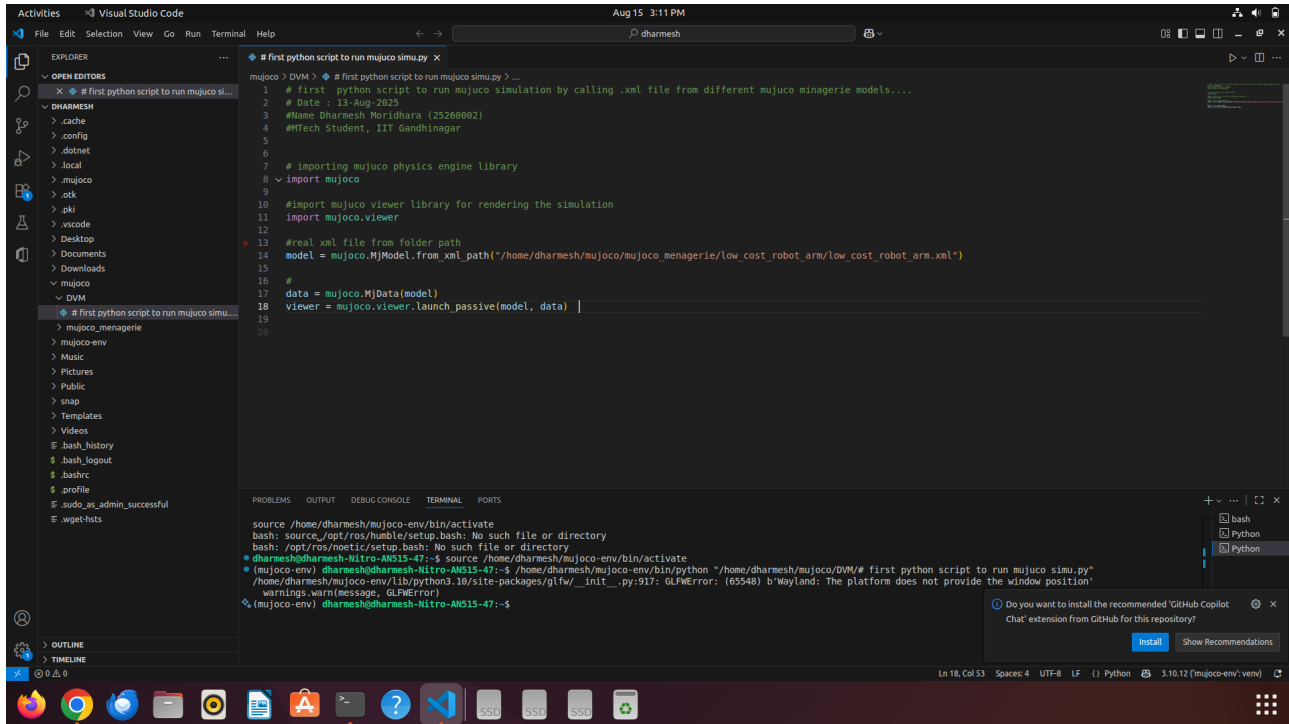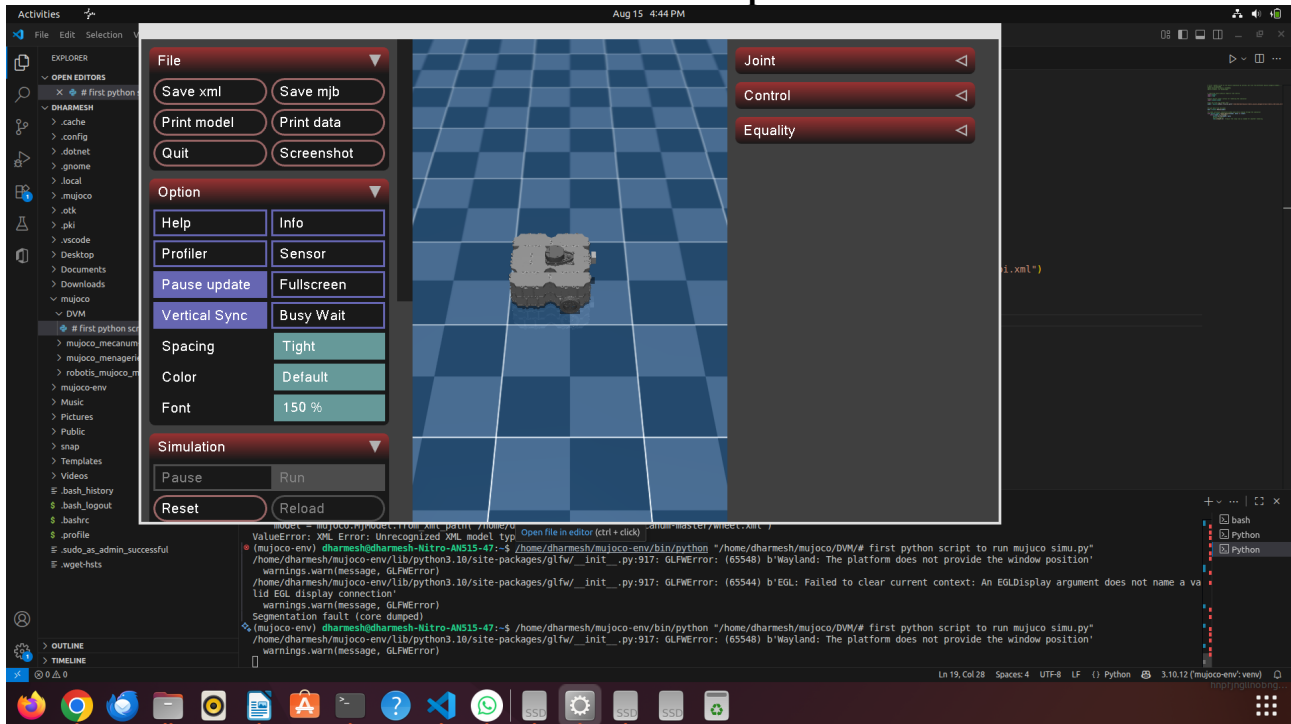


**Task 2**
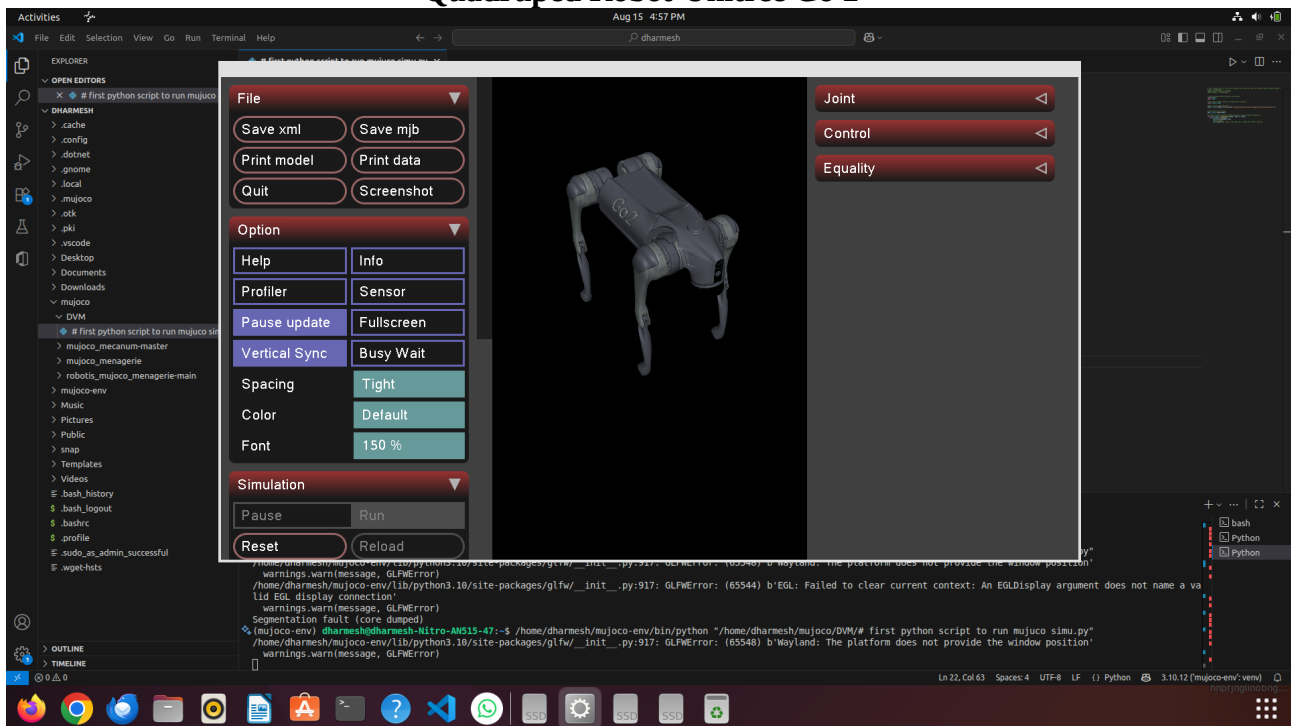**Simulate Franka Research 3 serial chain manipulator.\***

## Task-3
## Wheeled Mobile Robot-TurtleBot Waffle pi differential drive robot*



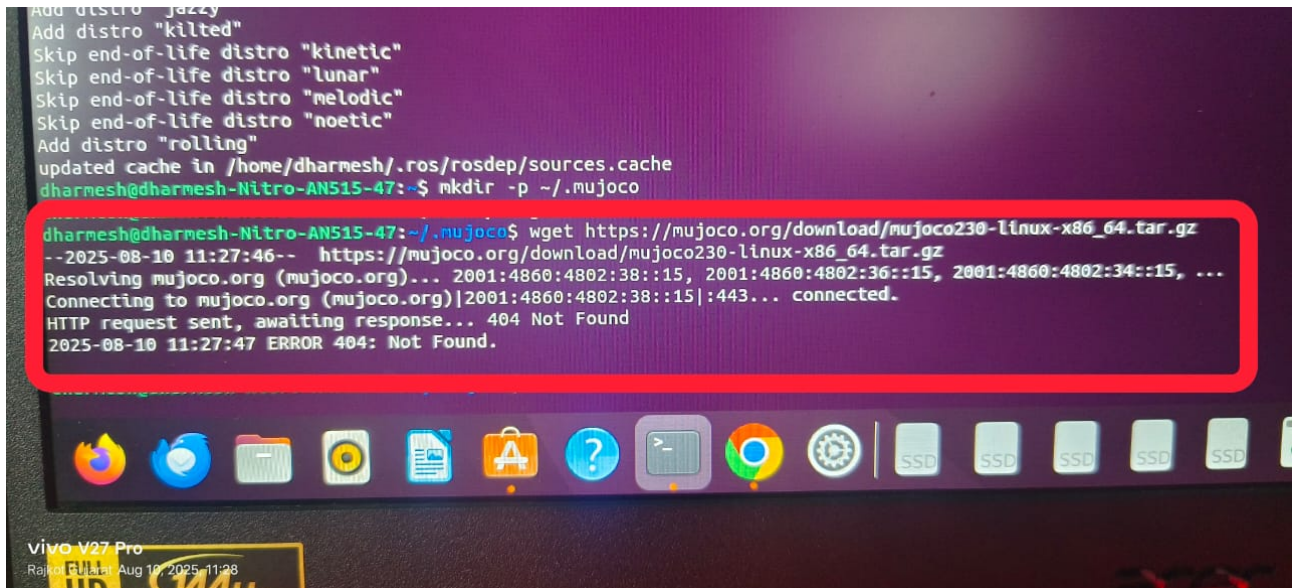## Task-4
## Quadruped Robot-Unitree Go 2*

**Problems that I faced/facing:-**

**Problem-1[$]**

when I tied to install Linux I accidentally made window partition dynamically. Then I backup my data and re install Linux.

**Problem-2[$]**

No package like "mujoco230-linux-x86_64.tar.gz" so search on google and download in install "mujoco-3.3.5-linux-x86_64.tar.gz" from mujoco
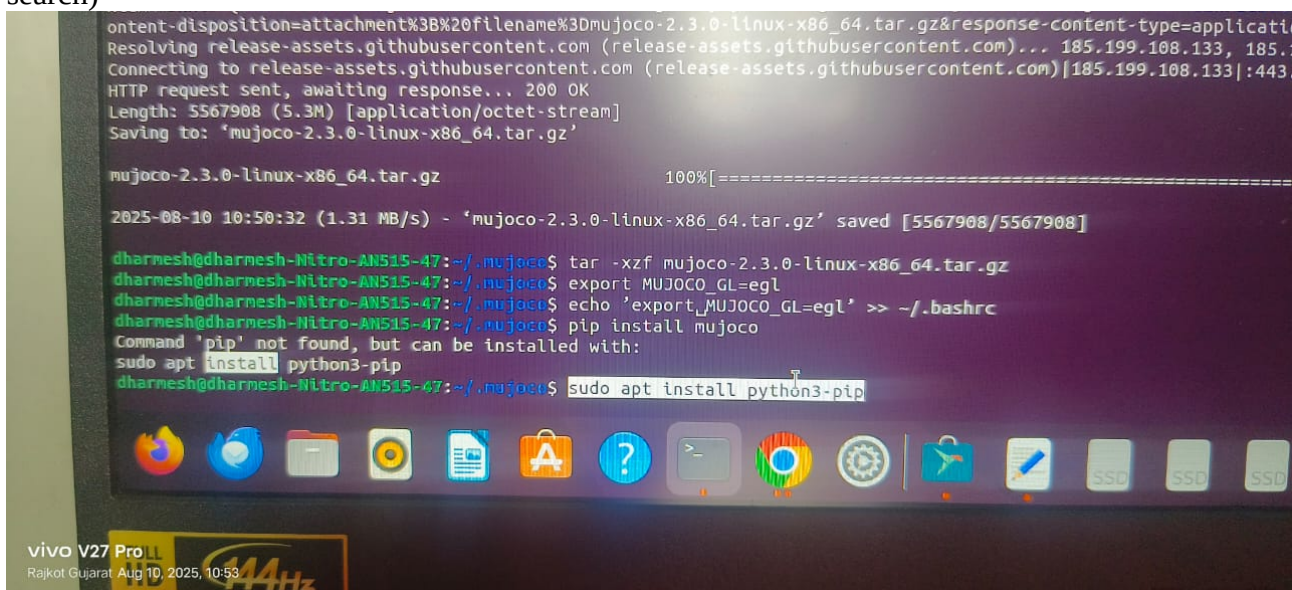(https://github.com/google-deepmind/mujoco/releases)



**Problem-3[$]**

no pip command while installing. So I install python3 (I search that from chatGPT and Google search)

**Problem-4<sup>$</sup>**

when I tried to import mujoco, time, mujoco.viewer, get the data from XML file and run the python file by clicking play button, the simulation window just pop up and vanished instantly because it run XML file only a time.

So I did chat GPT and it tell me that you need to add while loop to continue simulation. Then I add while loop to continue pop the simulation window.

still I am not able to use run simulation. When I run the XML script trough python it show me just

**note:-**
*run simulation using XML file from the '[https://github.com/google-deepmind/mujoco_menagerie](https://github.com/google-deepmind/mujoco_menagerie)'*
*$use of Google search and chatGPT for problem solving.*