

MUHAMMAD IKHWAN MAULANA

1103203219

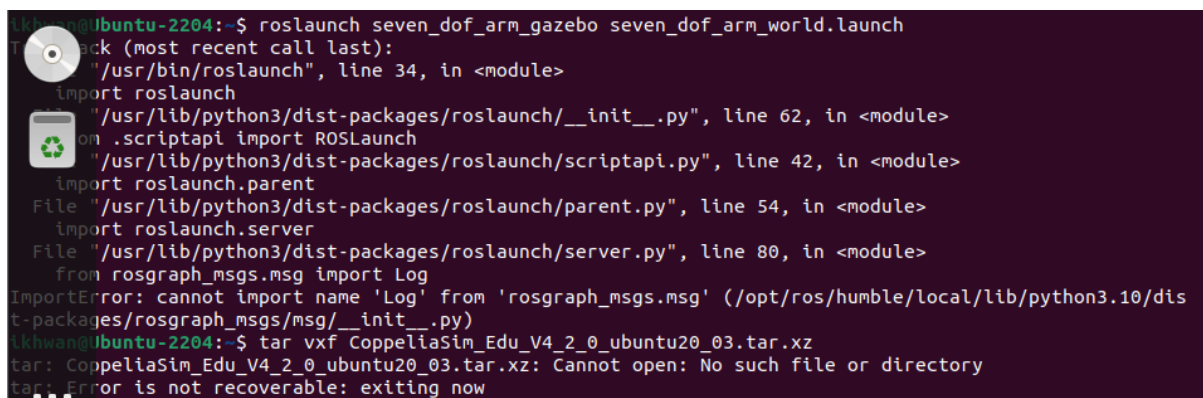
PRACTICE CHAPTER 5

1. Setting up CoppeliaSim with ROS

```
tar vxf CoppeliaSim_Edu_V4_2_0_Ubuntu20_04.tar.xz
```

```
mv CoppeliaSim_Edu_V4_2_0_Ubuntu20_04 CoppeliaSim
```

```
echo "export COPPELIASIM_ROOT=/path/to/CoppeliaSim/folder" >>  
~/.bashrc"
```



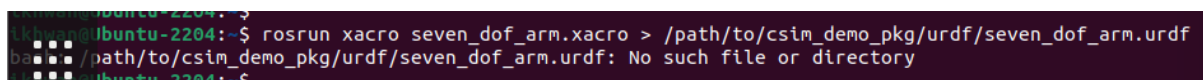
A terminal window on Ubuntu 22.04 showing a sequence of commands and errors. The first command is `roslaunch seven_dof_arm_gazebo seven_dof_arm_world.launch`, which fails with a traceback from `roslaunch` to `Log` in `rosgraph_msgs`. The second command is `tar vxf CoppeliaSim_Edu_V4_2_0_ubuntu20_03.tar.xz`, which fails with the message "Cannot open: No such file or directory".

```
(ikhwang@Ubuntu-2204:~)$ roslaunch seven_dof_arm_gazebo seven_dof_arm_world.launch  
Traceback (most recent call last):  
  File "/usr/bin/roslaunch", line 34, in <module>  
    import roslaunch  
  File "/usr/lib/python3/dist-packages/roslaunch/__init__.py", line 62, in <module>  
    from .scriptapi import ROSLaunch  
  File "/usr/lib/python3/dist-packages/roslaunch/scriptapi.py", line 42, in <module>  
    import roslaunch.parent  
  File "/usr/lib/python3/dist-packages/roslaunch/parent.py", line 54, in <module>  
    import roslaunch.server  
  File "/usr/lib/python3/dist-packages/roslaunch/server.py", line 80, in <module>  
    from rosgen_msgs.msg import Log  
ImportError: cannot import name 'Log' from 'rosgen_msgs.msg' (/opt/ros/humble/local/lib/python3.10/dist-packages/rosgen_msgs/msg/__init__.py)  
(ikhwang@Ubuntu-2204:~)$ tar vxf CoppeliaSim_Edu_V4_2_0_ubuntu20_03.tar.xz  
tar: CoppeliaSim_Edu_V4_2_0_ubuntu20_03.tar.xz: Cannot open: No such file or directory  
tar: Error is not recoverable: exiting now
```

Terjadi error

2. Simulating a robotic arm using CoppeliaSim and ROS

```
roslaunch xacro seven_dof_arm.xacro > /path/to/csim_demo_pkg/  
urdf/seven_dof_arm.urdf
```



A terminal window on Ubuntu 22.04 showing a failed `roslaunch` command. The command is `roslaunch xacro seven_dof_arm.xacro > /path/to/csim_demo_pkg/urdf/seven_dof_arm.urdf`, which fails with the message "No such file or directory".

```
(ikhwang@Ubuntu-2204:~)$ roslaunch xacro seven_dof_arm.xacro > /path/to/csim_demo_pkg/urdf/seven_dof_arm.urdf  
roslaunch: /path/to/csim_demo_pkg/urdf/seven_dof_arm.urdf: No such file or directory  
(ikhwang@Ubuntu-2204:~)$
```

File dan directori tidak ada