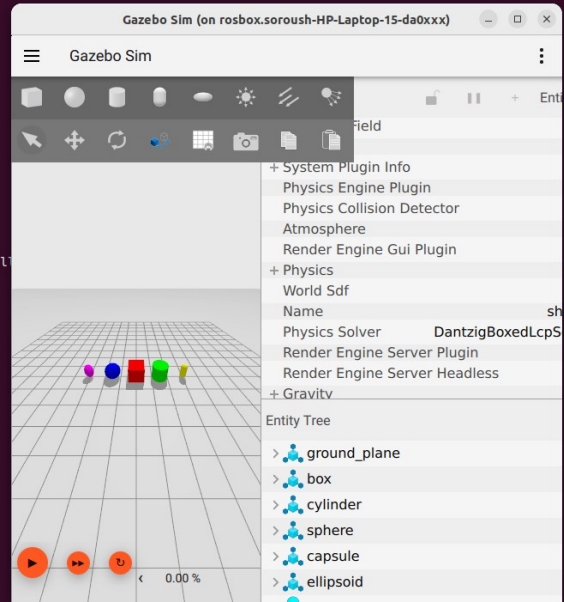


Q1 :

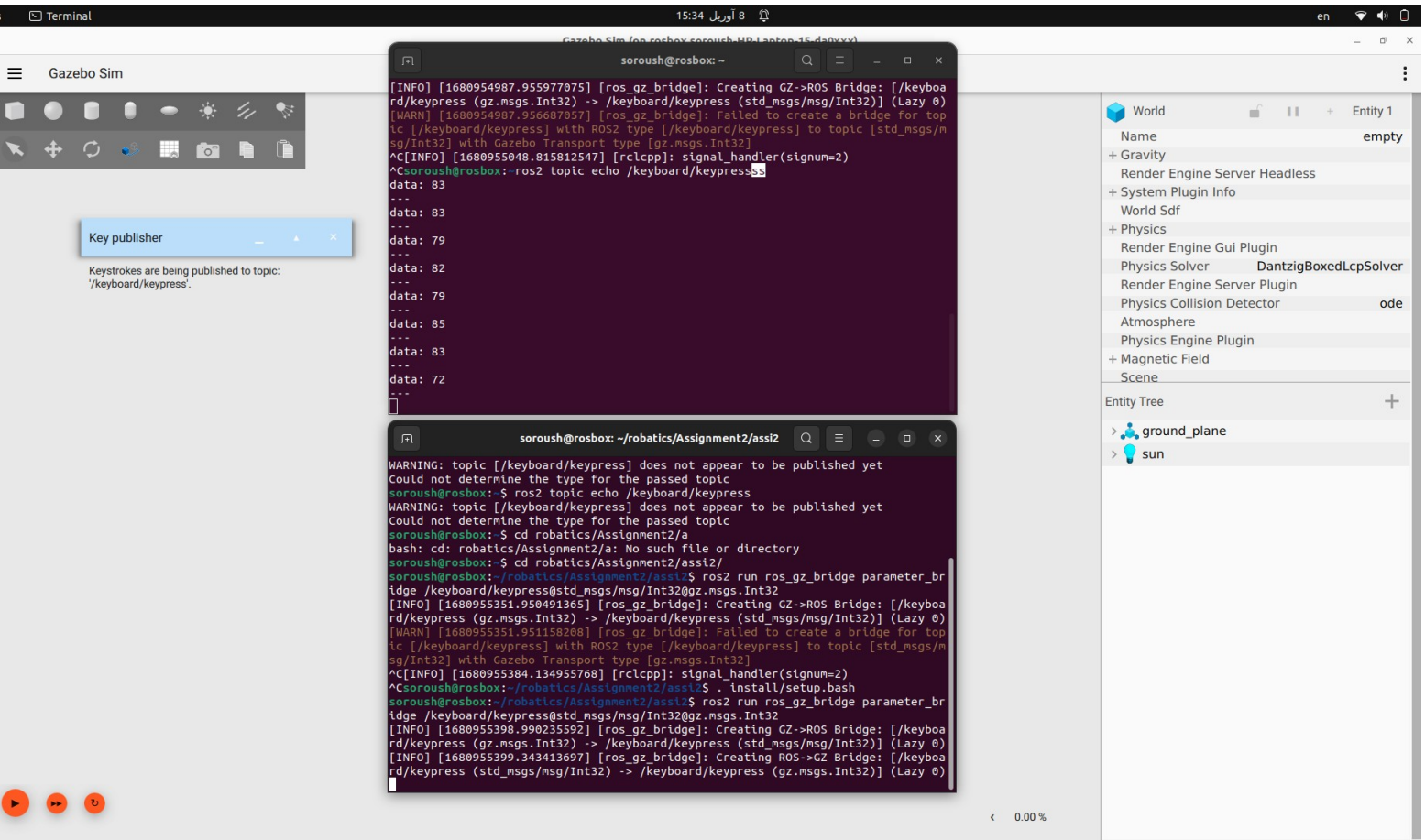
```
soroush@rosbox:~/robotics/Assignment2/assi2$ colcon build --parallel-workers 1 --symlink-install --packages-select ros_gz ros_gz_bridge ros_gz_image ros_gz_interfaces
usage: colcon [-hj] [--log-base LOG_BASE] [--log-level LOG_LEVEL] {build,extension-points,extensions,graph,info,list,metadata,mixin,test,result-version-check} ...
colcon error: unrecognized arguments: --bash: packages-select: command not found
soroush@rosbox:~/robotics/Assignment2/assi2$ MAKEFLAGS="-j2"; colcon build --parallel-workers 1 --symlink-install --packages-select ros_gz ros_gz_bridge ros_gz_image ros_gz_interfaces ros_gz_sim ros_gz_im_demos
Starting >>> ros_gz_interfaces
[Processing: ros_gz_interfaces]
Finished <<< ros_gz_interfaces [34.0s]
Starting >>> ros_gz_bridge
--- stderr: ros_gz_bridge
CMake Error at CMakeLists.txt:33 (message):
  This branch is only compatible with Gazebo Garden forward.
...
Failed <<< ros_gz_bridge [1.59s, exited with code 1]

Summary: 1 package finished [35.8s]
   1 package failed: ros_gz_bridge
   1 package had stderr output: ros_gz_bridge
   4 packages not processed
soroush@rosbox:~/robotics/Assignment2/assi2$ export GZ_VERSION=garden
soroush@rosbox:~/robotics/Assignment2/assi2$ MAKEFLAGS="-j2"; colcon build --parallel-workers 1 --symlink-install --packages-select ros_gz ros_gz_bridge ros_gz_image ros_gz_interfaces ros_gz_sim ros_gz_im_demos
Starting >>> ros_gz_interfaces
Finished <<< ros_gz_interfaces [1.41s]
Starting >>> ros_gz_bridge
[Processing: ros_gz_bridge]
[Processing: ros_gz_bridge]
[Processing: ros_gz_bridge]
[Processing: ros_gz_bridge]
[Processing: ros_gz_bridge]
[Processing: ros_gz_bridge]
[Processing: ros_gz_bridge]
[Processing: ros_gz_bridge]
[Processing: ros_gz_bridge]
[Processing: ros_gz_bridge]
Finished <<< ros_gz_bridge [4min 10s]
Starting >>> ros_gz_sim
Finished <<< ros_gz_sim [16.2s]
Starting >>> ros_gz_image
Finished <<< ros_gz_image [25.1s]
Starting >>> ros_gz_sim_demos
Finished <<< ros_gz_sim_demos [1.30s]
Starting >>> ros_gz
Finished <<< ros_gz [1.01s]

Summary: 6 packages finished [4min 55s]
soroush@rosbox:~/robotics/Assignment2/assi2$ gz sim shapes.sdf
Warning: Ignoring XDG_SESSION_TYPE=wayland on Gnome. Use QT_QPA_PLATFORM=wayland to run on Wayland anyway.
_ICETransSocketUNIXConnect: Cannot connect to non-local host soroush-HP-Laptop-15-da0xxx
_ICETransSocketUNIXConnect: Cannot connect to non-local host soroush-HP-Laptop-15-da0xxx
Qt: Session management error: Could not open network socket
```



Q2:



Q3:

