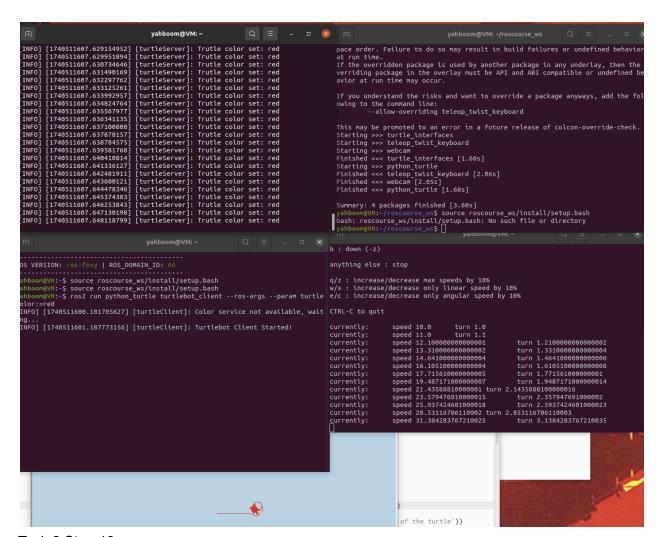


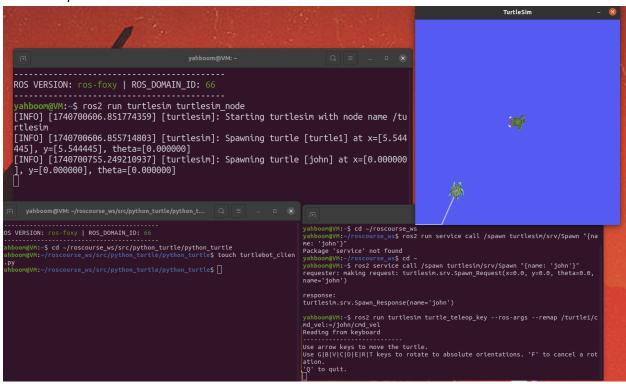
Task 1 Step 17



Task 2 Step 13

```
Moving around:
or Holonomic mode (strafing), hold down the shift key:
  : up (+z)
  : down (-z)
nything else : stop
/z : increase/decrease max speeds by 10%
/x : increase/decrease only linear speed by 10%
c/c : increase/decrease only angular speed by 10%
TRL-C to quit
urrently:
                            speed 10.0
                                                          turn 1.0
bot_client-2]
                             File "/usr/lib/python3.8/turtle.py", line 565, in _delay
                            self.cv.after(delay)
File "/usr/lib/python3.8/tkinter/__init__.py", line 809, in after
self.tk.call('after', ms)
bot_client-2]
bot_client-2]
bot_client-2]
bot_client-2] KeyboardInterrupt
 [turtlebot_client-2]: process has died [pid 91992, exit code -2, cmd '/home/yahboom/roscourse_ws/install/python_turtle/
   /tmp/launch_params_b_zdf6e3'].
 [turtlebot_server-1]: process has died [pid 91990, exit code -2, cmd '/home/yahboom/roscourse_ws/install/python_turtle/
NM:-/roscourse_ws$ mv ^Curtle_teleop_launch.py turtle_teleop_launch.py
NM:-/roscourse_ws$ ros2 launch python_turtle turtle_teleop_launch.py
[launch]: All log files can be found below /home/yahboom/.ros/log/2025-02-28-06-54-46-009187-VM-92224
[launch]: Default logging verbosity is set to INFO
[launch]: All log files can be found below /home/yahboom/.ros/log/2025-02-28-06-54-46-009187-VM-92224
[launch]: Default logging verbosity is set to INFO
 turtlebot_server-1]: process started with pid [92226]
turtlebot_client-2]: process started with pid [92228]
 teleop_twist_keyboard-3]: process started with pid [92230]
teleop_twist_keyboard-3]: process has finished cleanly [pid 92230]
teteb_twist_keybood
bot_server-1] [INFO]
bot_server-1] [INFO]
bot_server-1] [INFO]
bot_server-1] [INFO]
bot_server-1] [INFO]
bot_server-1] [INFO]
                                      [1740696887.181550155] [turtleServer]: Turtlebot server started!
[1740696887.856963284] [turtleServer]: Trutle color set: blue
                                                                                  [turtleServer]: Trutle color set: blue [turtleServer]: Trutle color set: blue
                                       [1740696887.858787573]
                                       [1740696887.860115550]
                                                                                  [turtleServer]: Trutle color set: blue
[turtleServer]: Trutle color set: blue
                                       [1740696887.861158949]
                                       [1740696887.862164327
```

Task 3 step 8



Task 4 Step 3