**22AIE442 – ASSIGNMENT 1**

Name : Anuvind M P

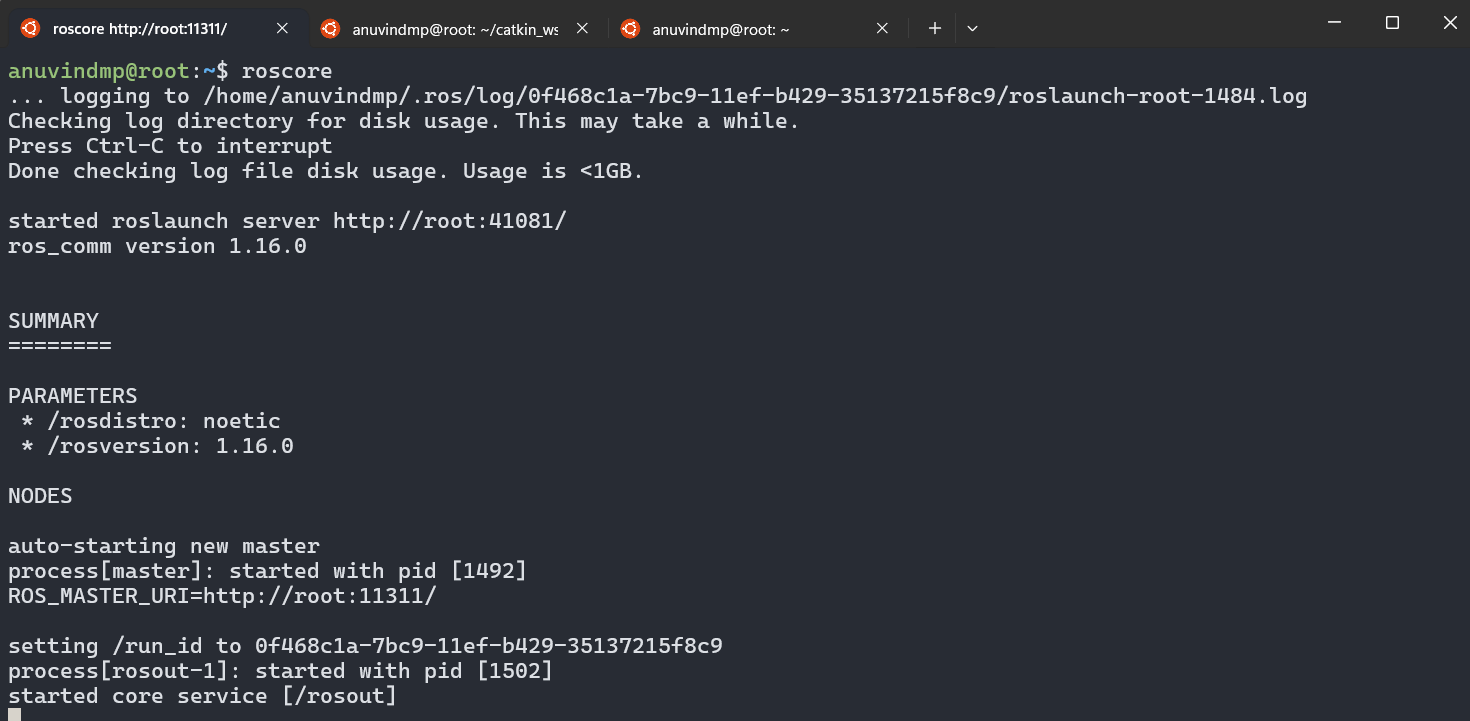
Roll no: AM.EN.U4AIE22010

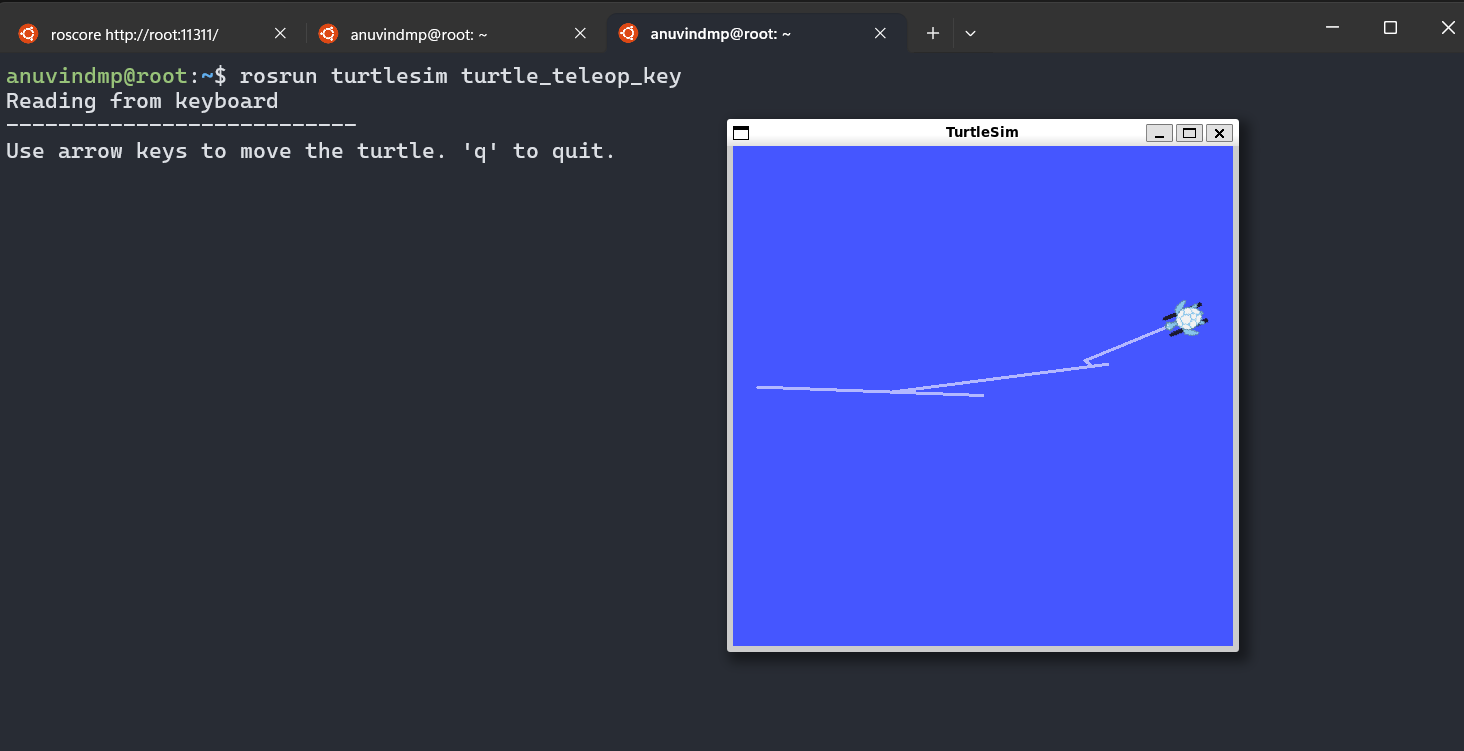
● Download and install the turtlesim package

○ Open a terminal and start the roscore  
*roscore*○ Open another terminal and type  
*sudo apt-get install ros-$(rosversion -d)-turtlesim*○ Run turtlesim

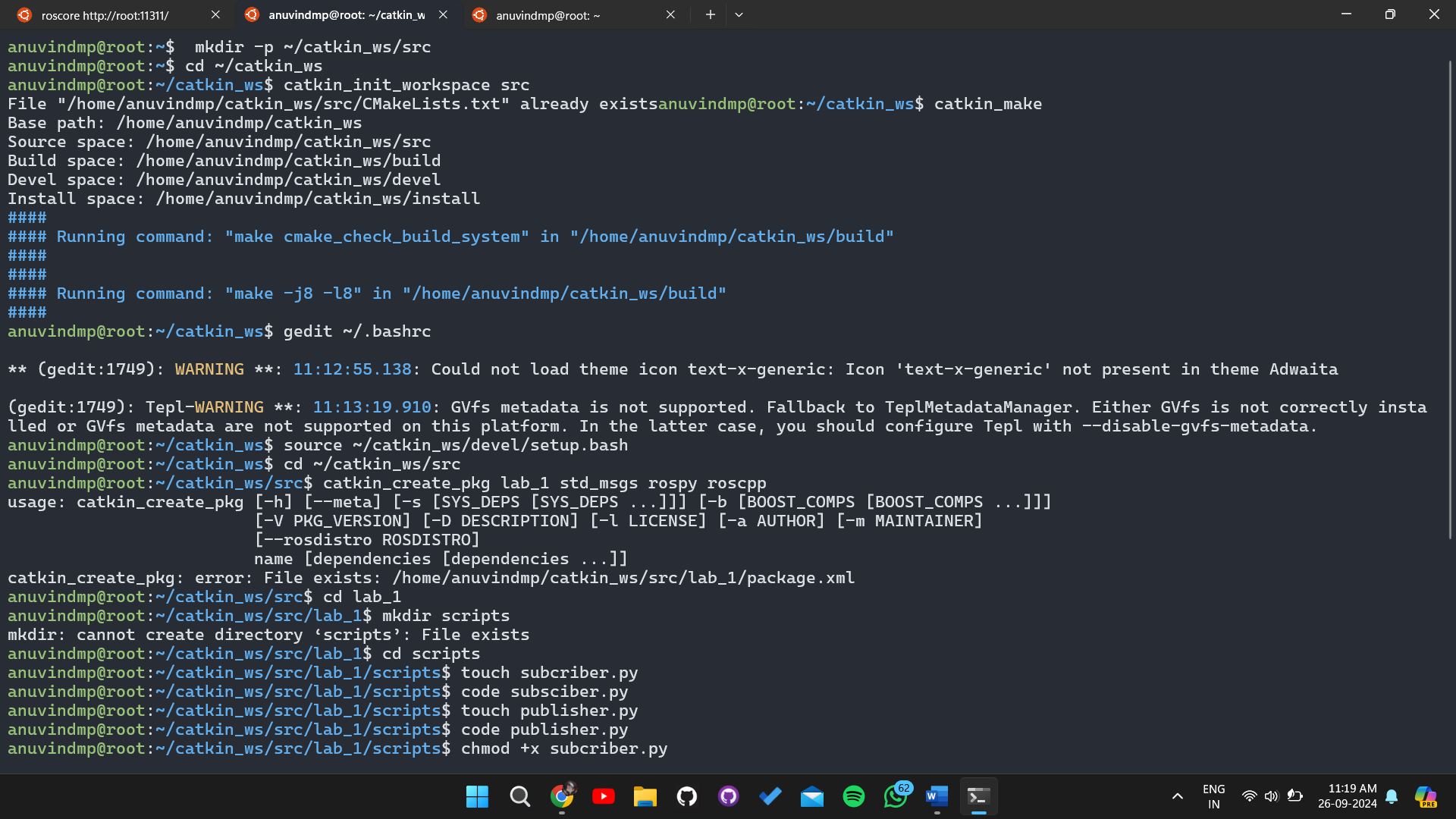
*rosrun turtlesim turtlesim\_node*○ Open another terminal and type  
*rosrun turtlesim turtle\_teleop\_key*

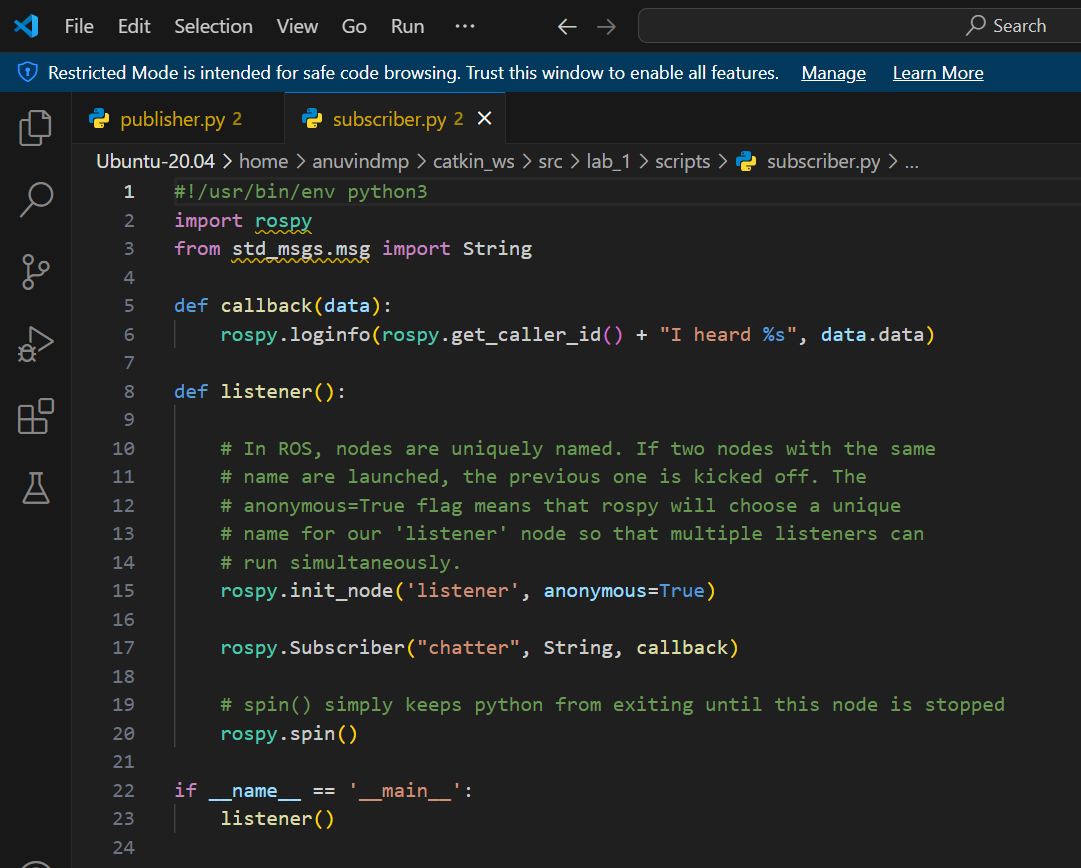
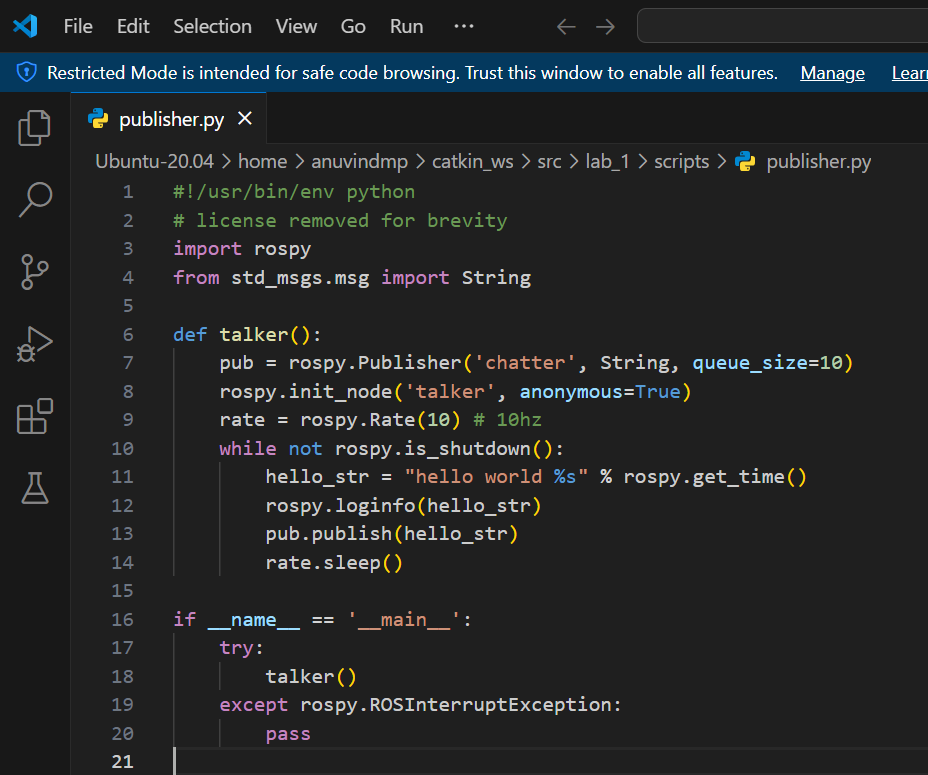
➢ Use the keypad arrow keys to move the turtle around and  
check how the data is getting published in **/cmd\_vel** topic



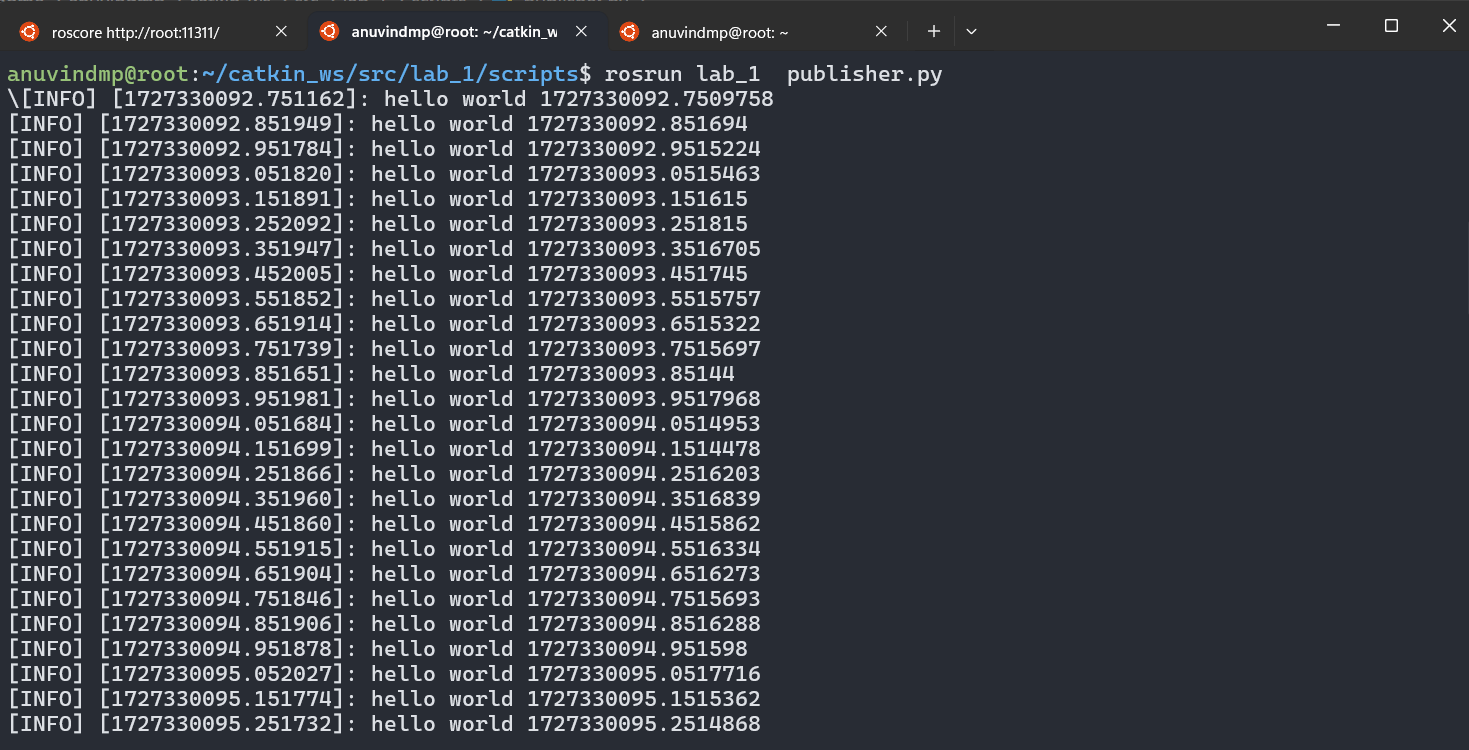


**Catkin workspace setup + publisher and subscriber :**

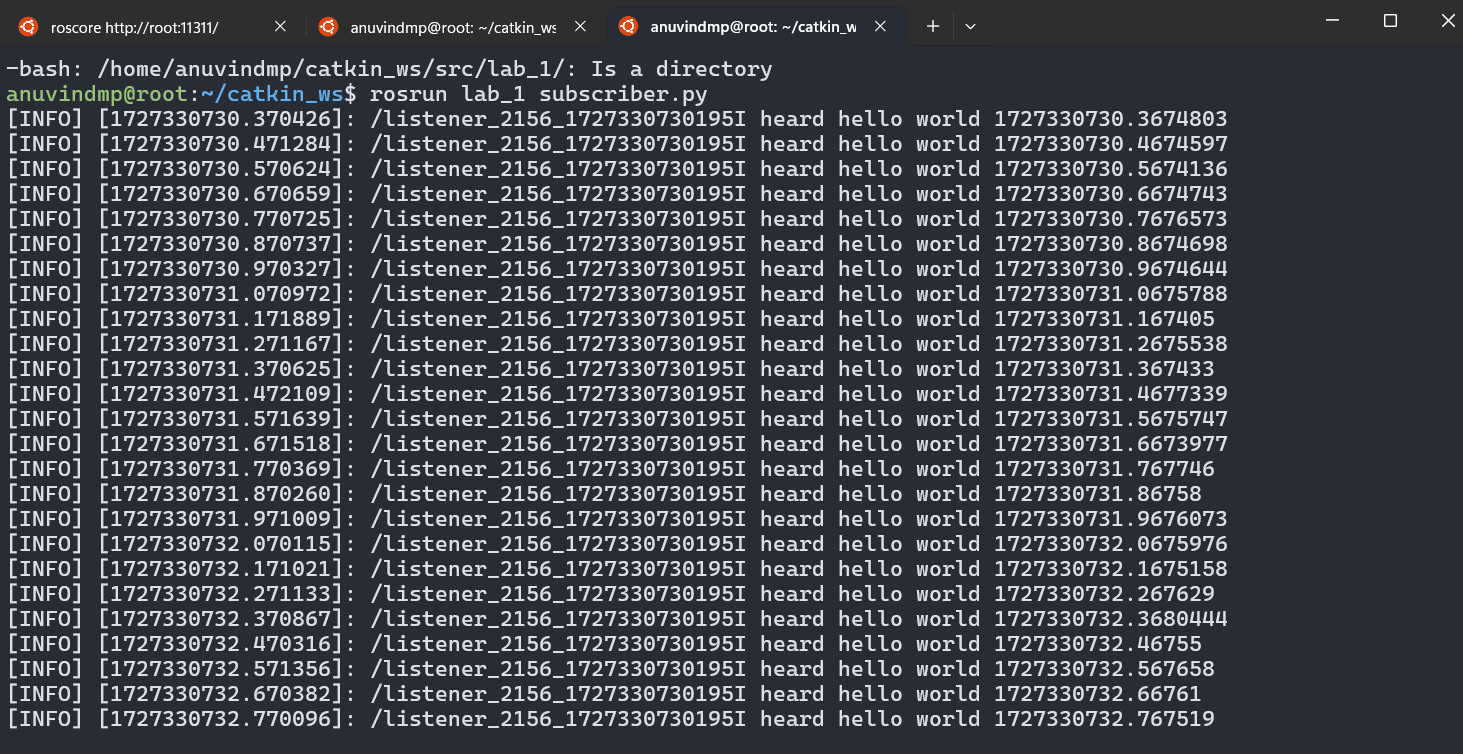
****

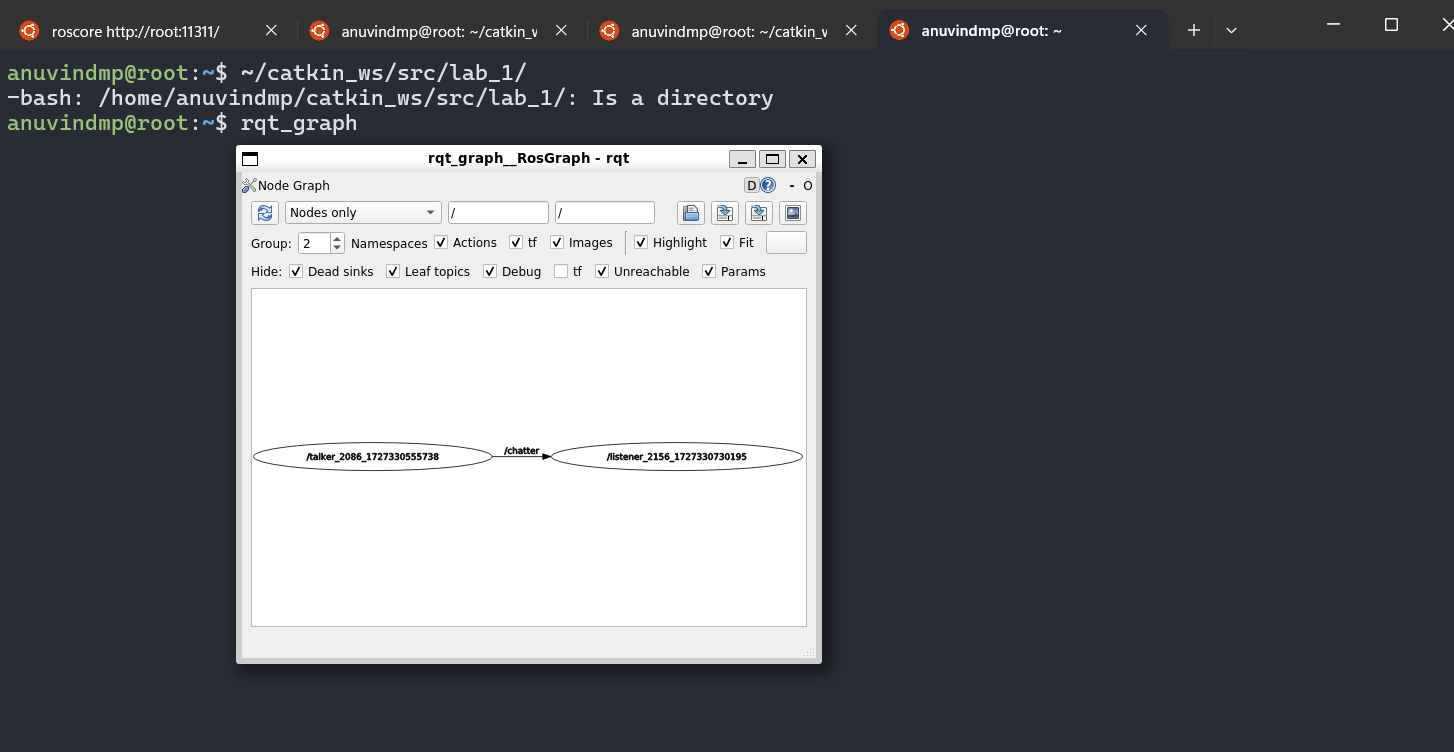
 

**Output (publisher.py) :**

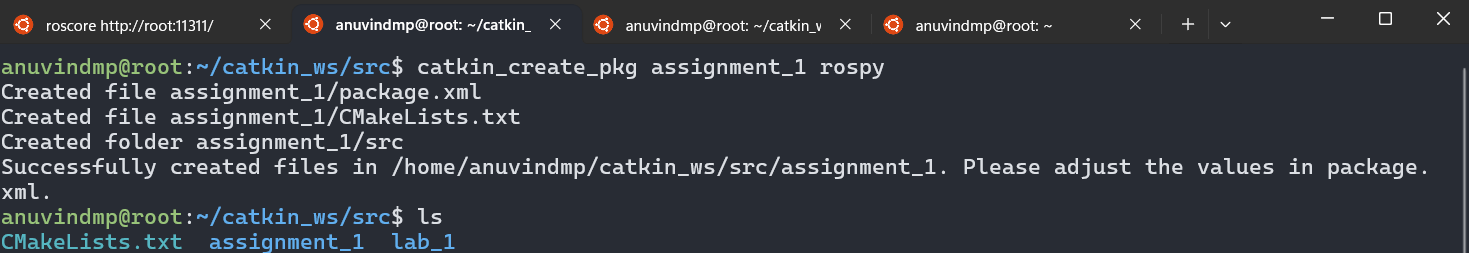


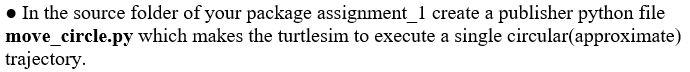
**Output (publisher.py) :**

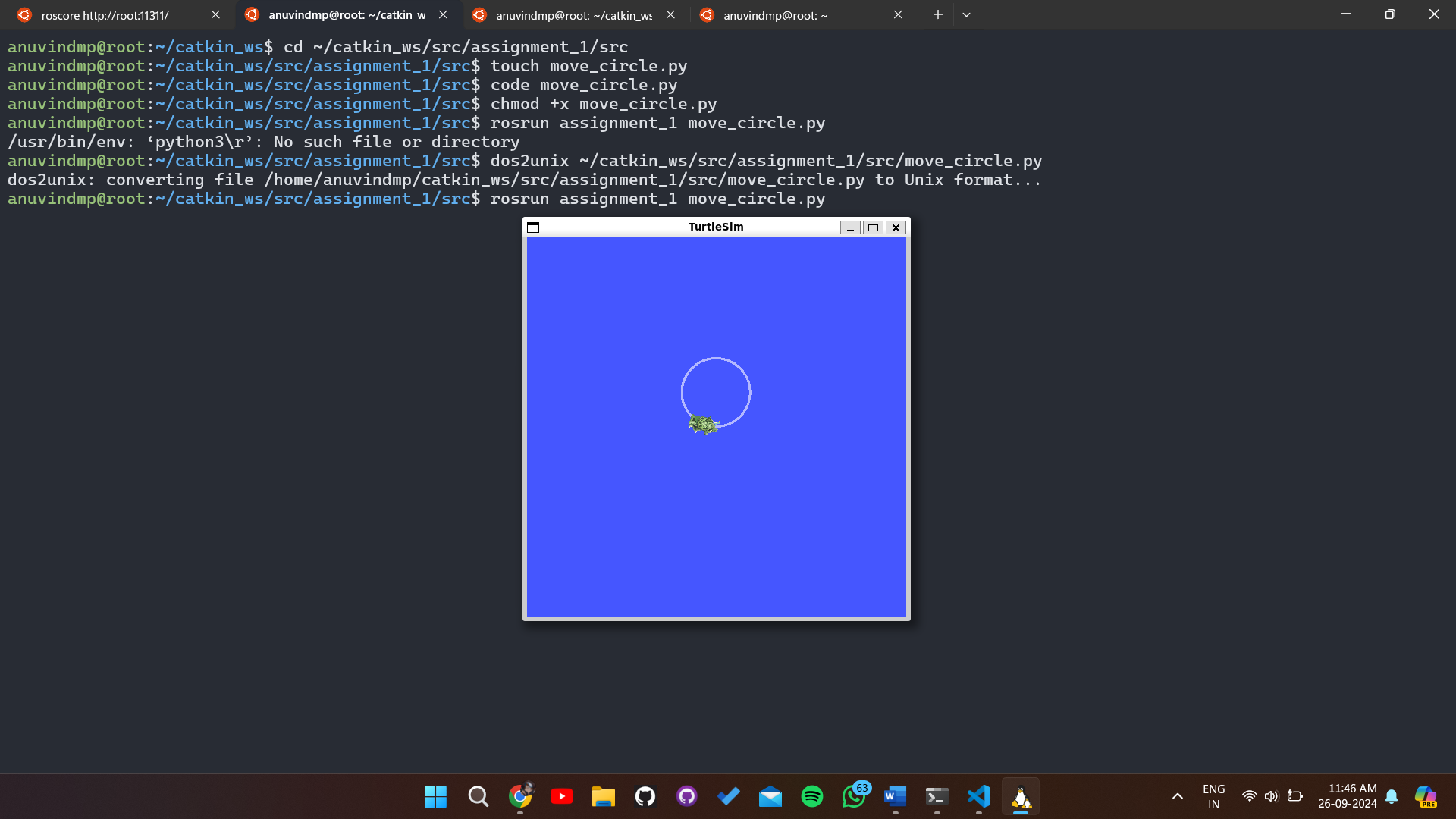




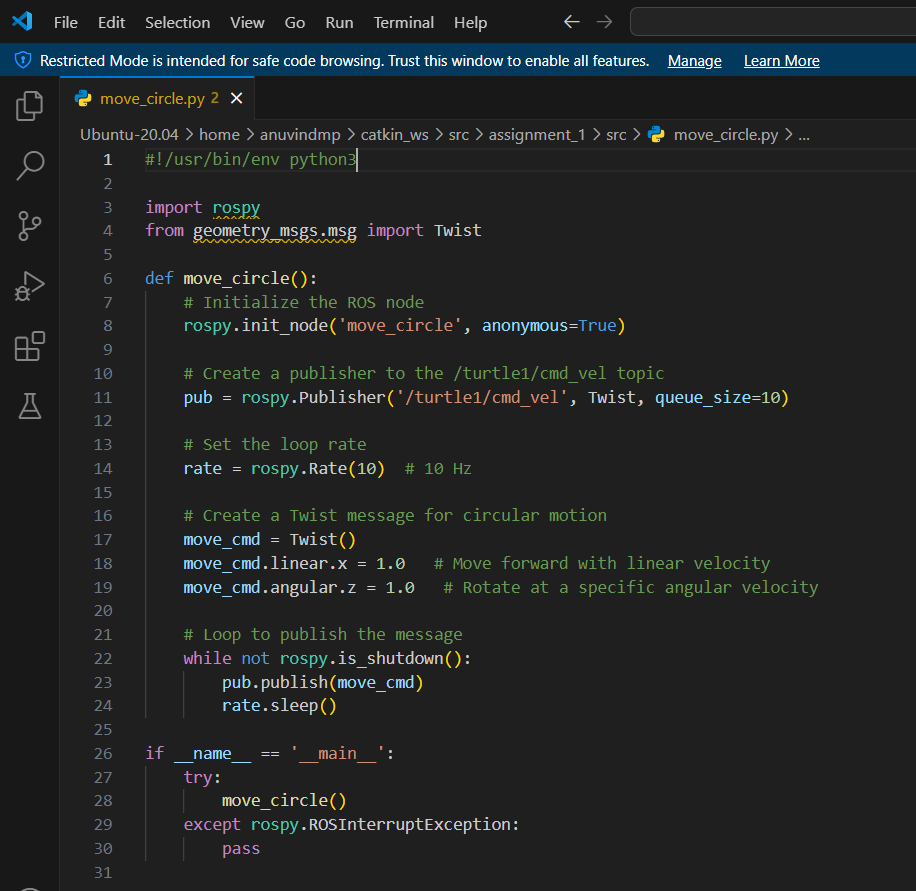


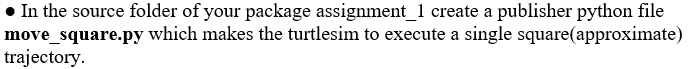


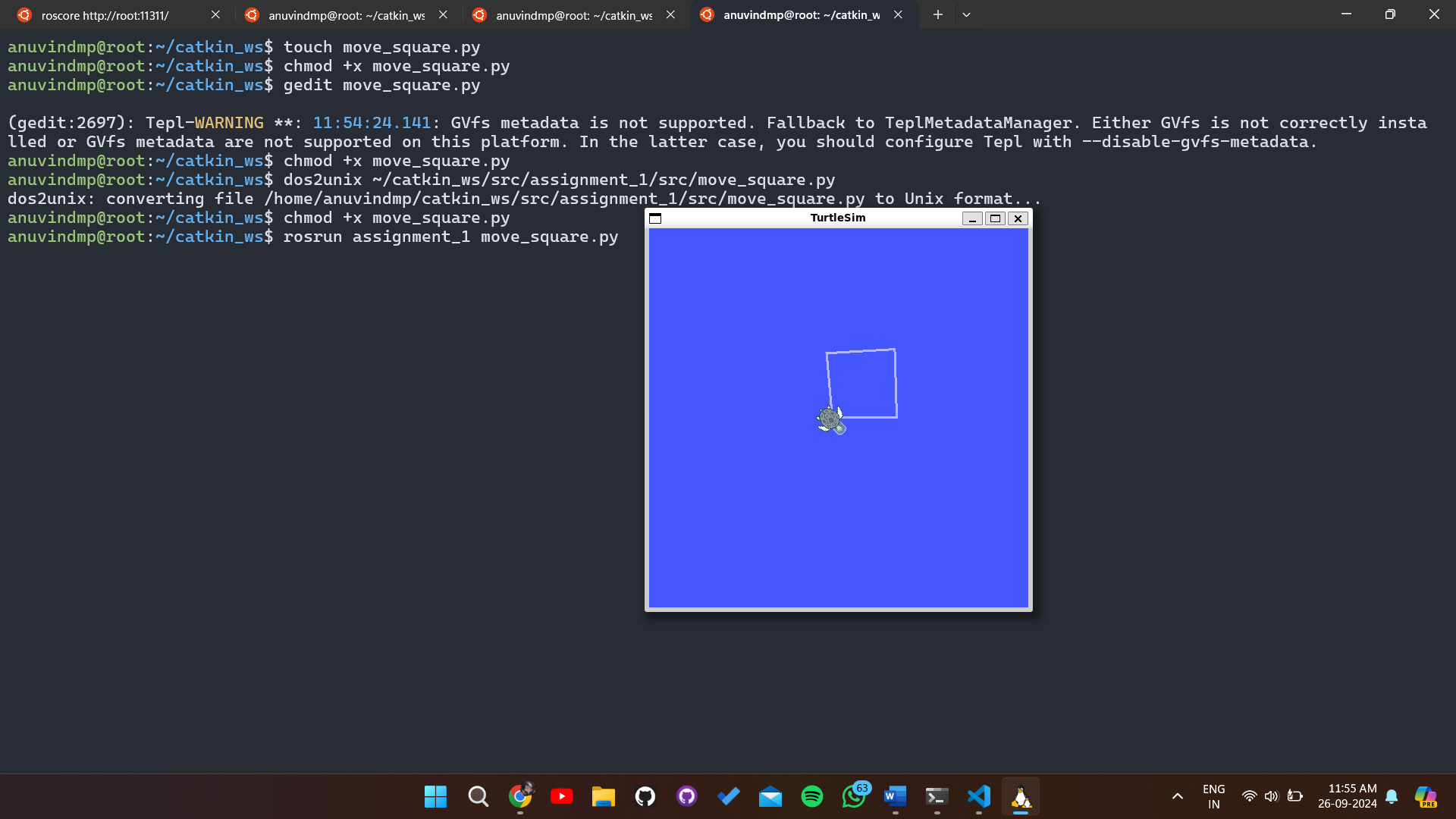




Code :







Code :

