Robotics-ROS Assignment 3

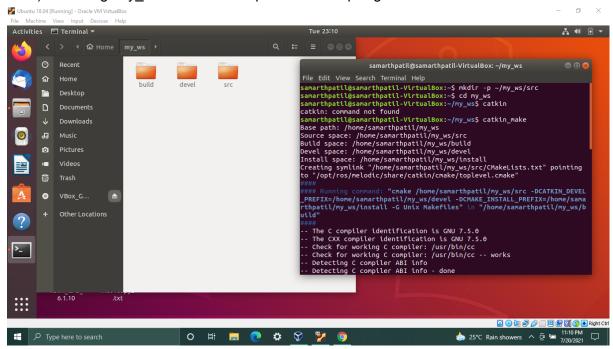
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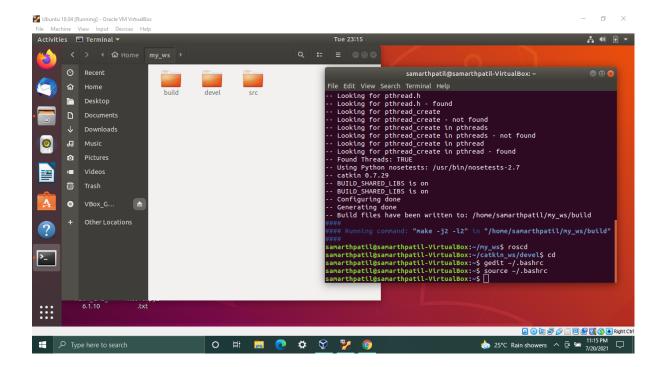
Contact No.: 8999171921

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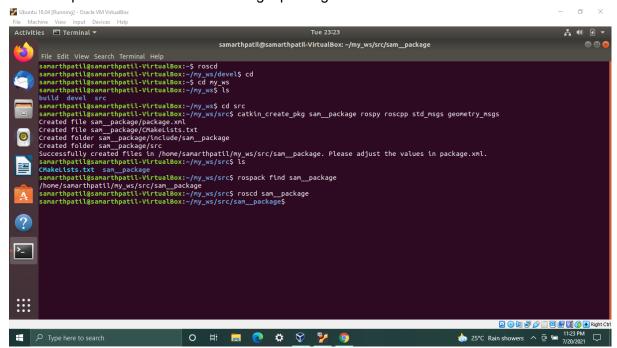
1) Creating 'my ws' named workspace and compiling it



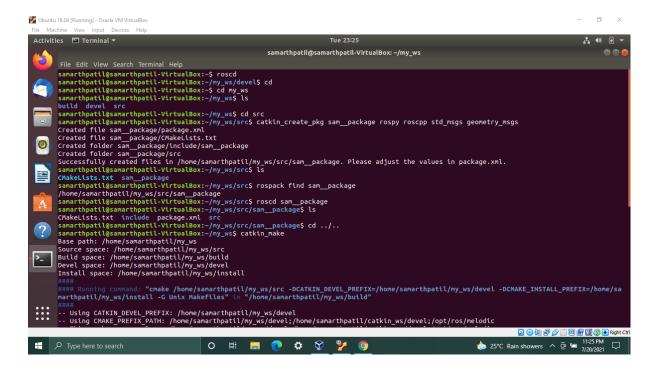
2) Using gedit changing its path



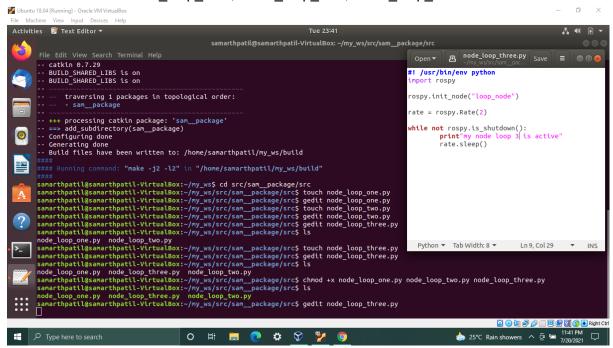
3) Checking its path and creating a package named 'sam_package' and adding dependencies to it and checking it path again



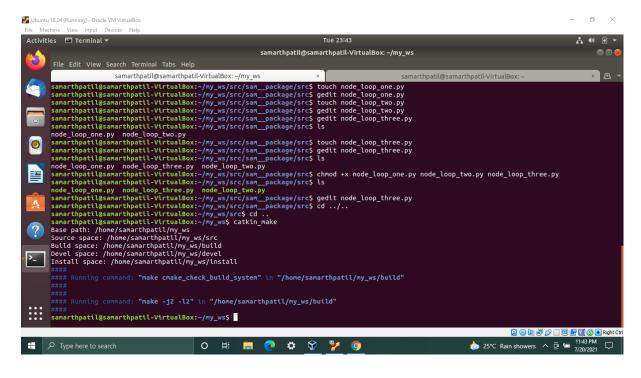
4) Compiling the workspace again by using 'catkin_make'



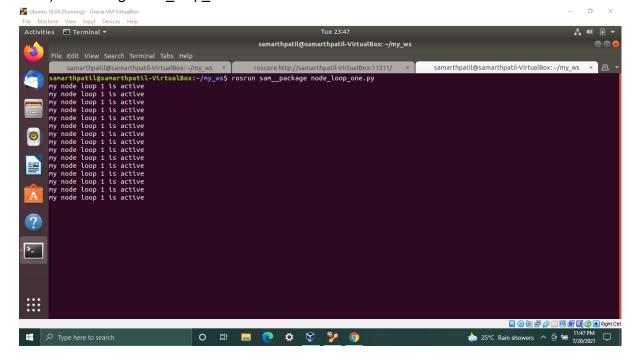
5) Creating 3 ros nodes using python which are active until we interrupt Those are 'node_loop_one', 'node_loop_two', 'node_loop_three'



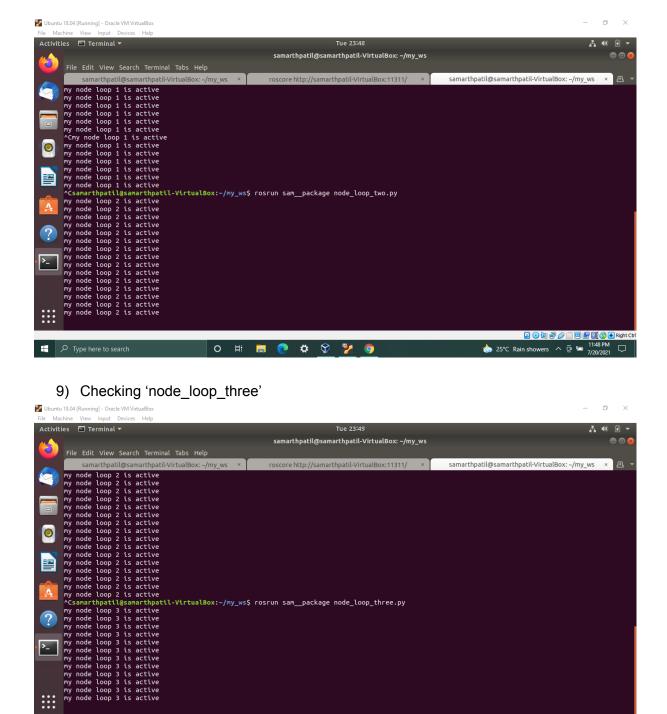
6) Changing node permission to executable and again compiling whole workspace



7) Checking 'node_loop_one'



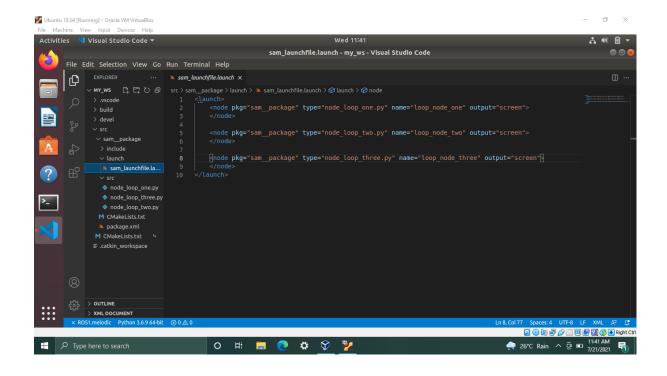
8) Checking 'node loop two'



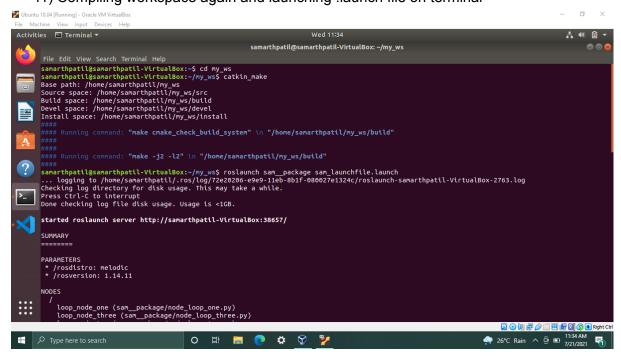
10) Creating launch folder and inside that launch file named 'sam launchfile.launch'

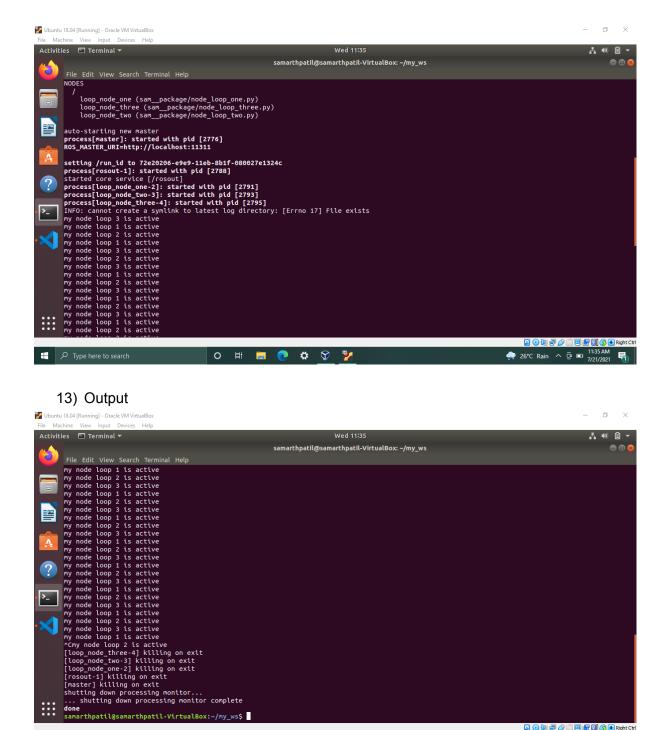
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11) Compiling workspace again and launching .launch file on terminal

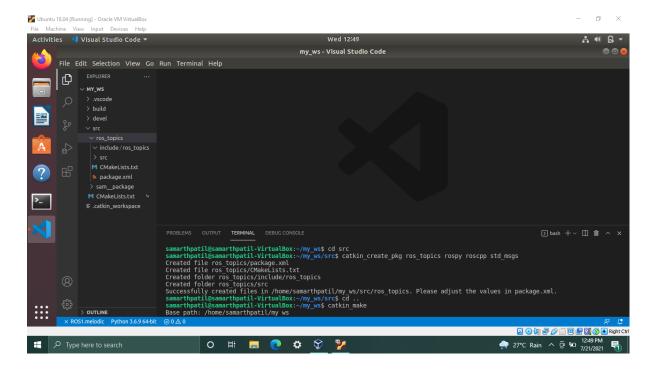




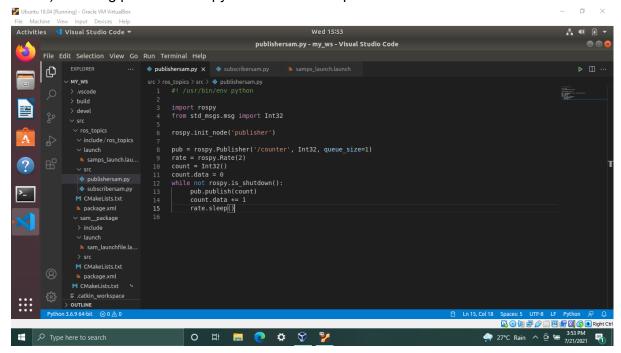
14) Creating ros_topics folder inside my_ws/src

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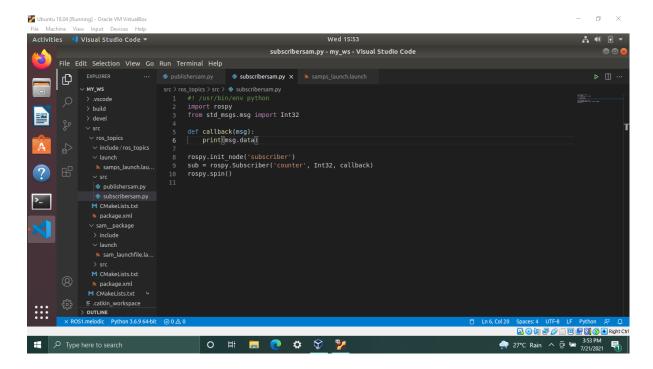
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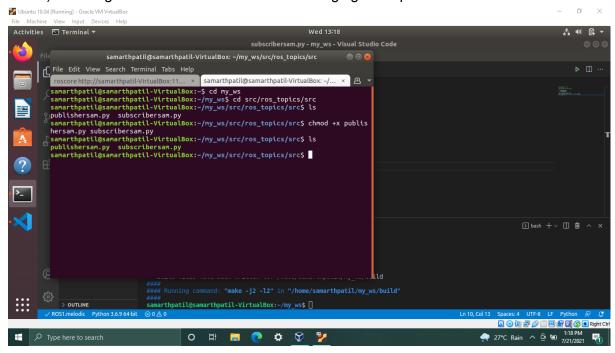
15) Creating publishersam.py node inside rostopic



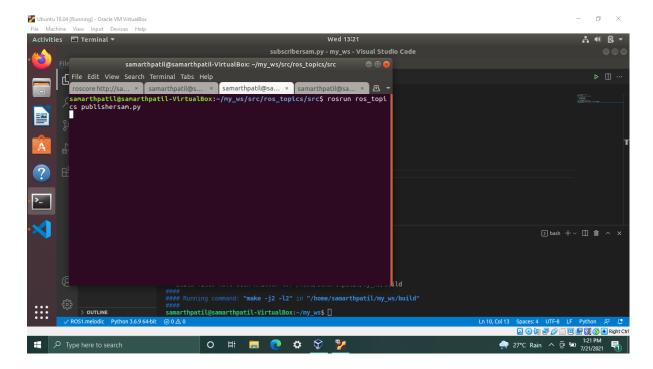
16) Creating subscribersam.py node inside rostopic



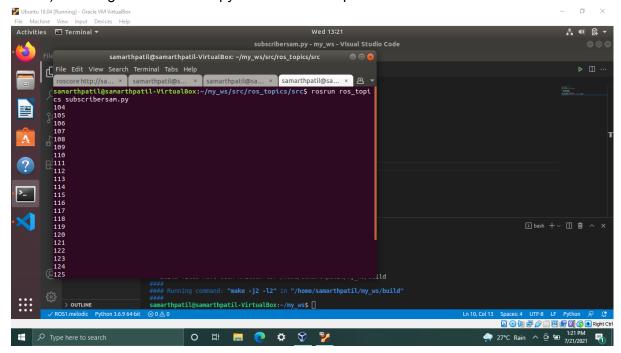
17) Running roscore command and than changing node permission to executable



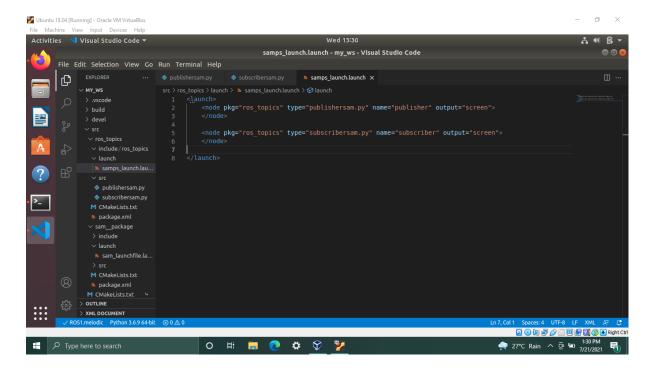
18) Running publishersam.py node



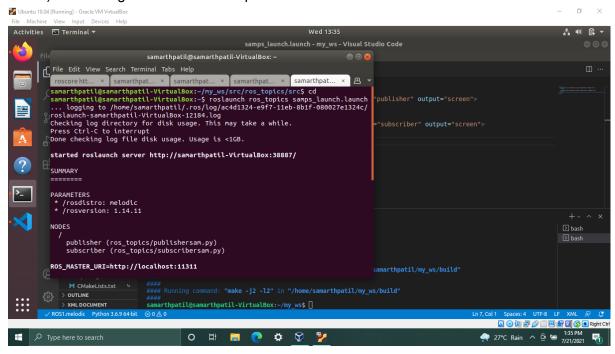
19) Running subscribersam.py node and its output



20) Creating launching folder and inside it a file to launch publisher and subscriber node that was previously created



21) Launching the .launch file of publisher and subscriber node



22) Output

