**MAZE SOLVER BY ROS**

* **PROJECT DESCRIPTION**
* The maze solver project focuses on developing an autonomous algorithm that can navigate through a 2D maze to find the optimal path from a starting point to the maze's exit.
* **APPROACH**

1. **Create a turtle bot that has a LIDAR sensor which can sense the distance from the wall in every direction**
2. **Create a script file that will give the command to bot for solving the maze**

* **TECH STACK**

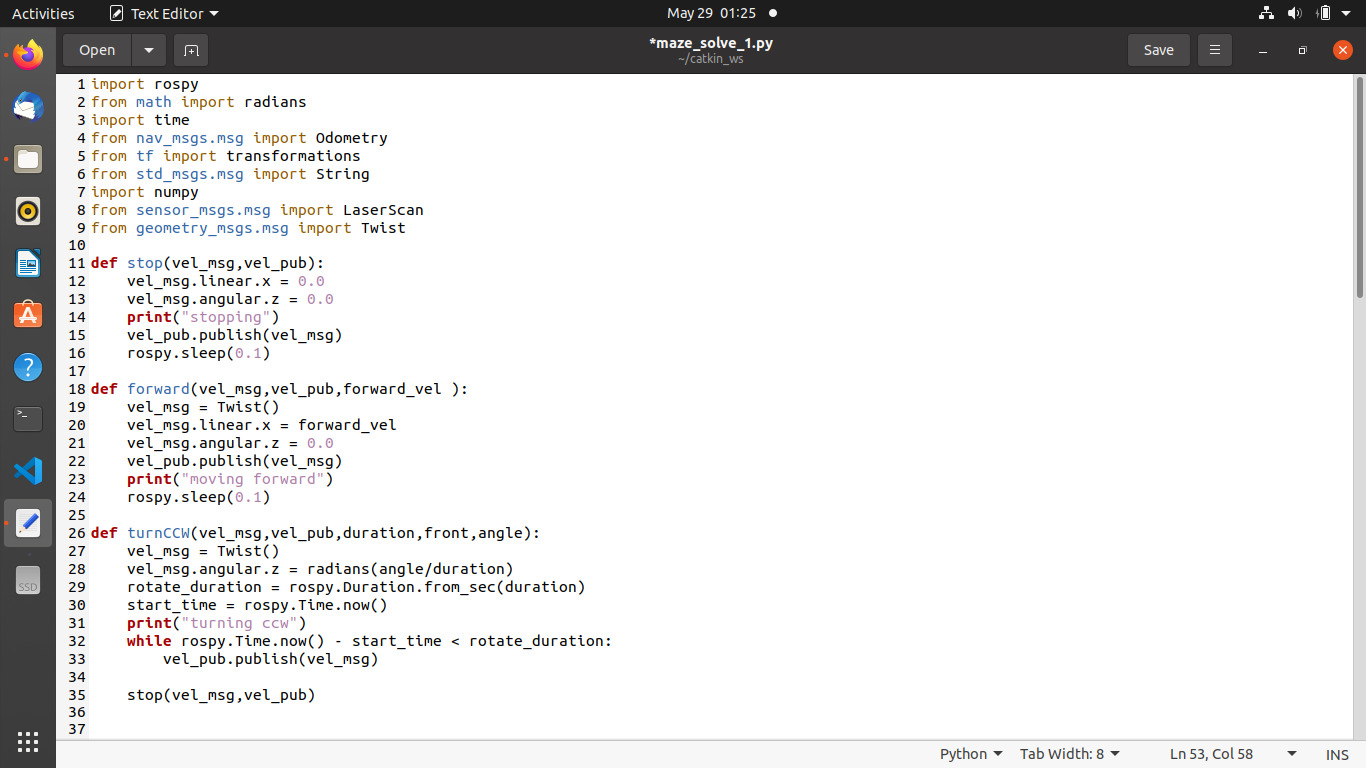
1. **ROS neotic desktop**
2. **Git/GitHub**
3. **VS code**
4. **Python**

* **TASK**

1. **Turtlebot simulation**

**Create a workspace. Install the Turtle Bot package. Run gazebo simulation(where we will have our maze)**

1. **Writing a script in python**

****