Implementation of a Robot Behaviour Learning Simulator

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Regarding the log file

Itemizing the characteristics of the log file

- A 3 by 3 robot's space grid log file has been created.
- The same method can be enhanced for a 5 by 5 or a 7 by 7 grid space.
- The log file is updated at a frequency of 100Hz i.e 0.01 seconds which is exactly the 'odom' topic's update frequency.
- File is arranged as one-one, one-two . . . two-three . . . three-three.
- two-two position is given to the robot.
- manhattan and euclidean distances to the robot are calculated and added.
- the z-axis's orientation provided in degrees for calculation of the robot's orientation.

Demonstration

I will now present the,

- Video Demonstration.
- CSV File.

Thank you for your time.