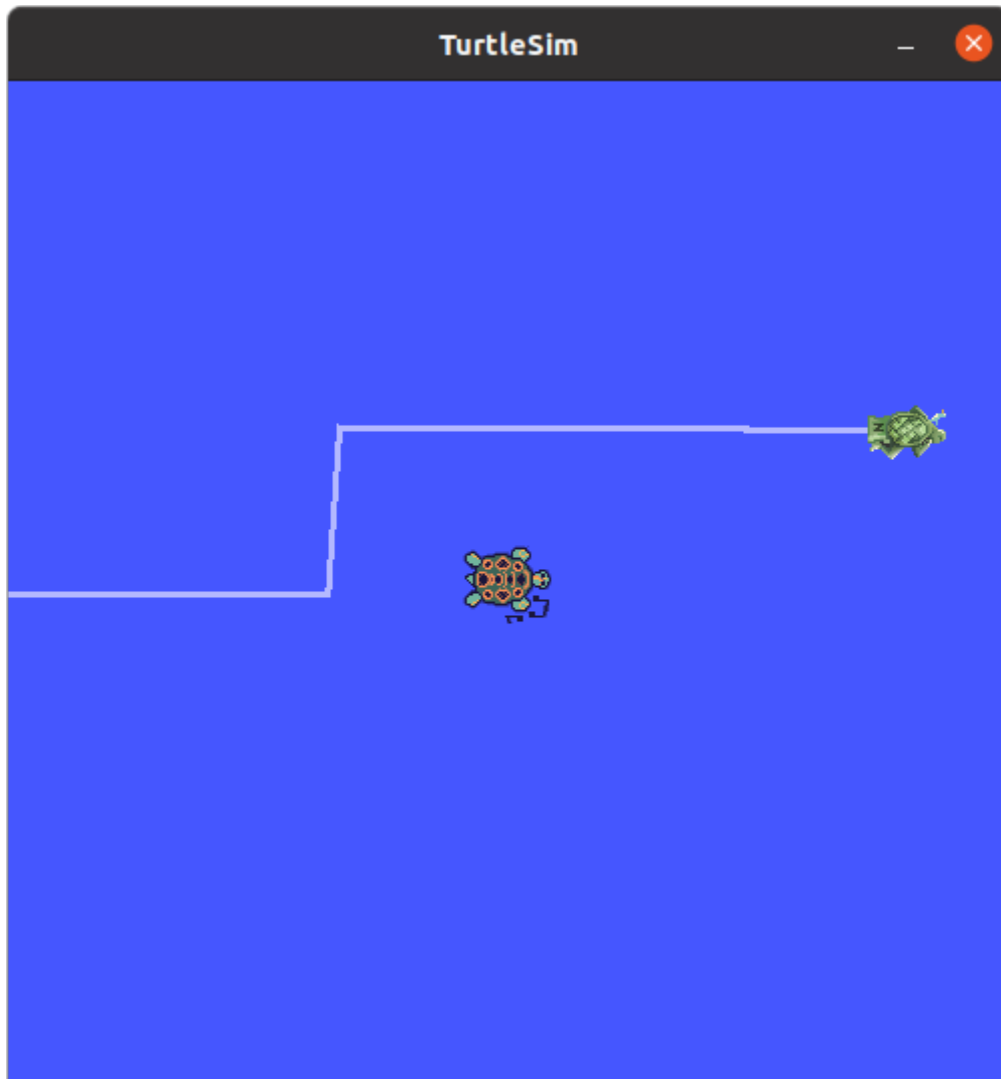# Section-A

Q2. Nodes node1.py and node2.py are created in a package created as abhiyaan. Node3.py subscribes to the topics from the above nodes and prints the result.
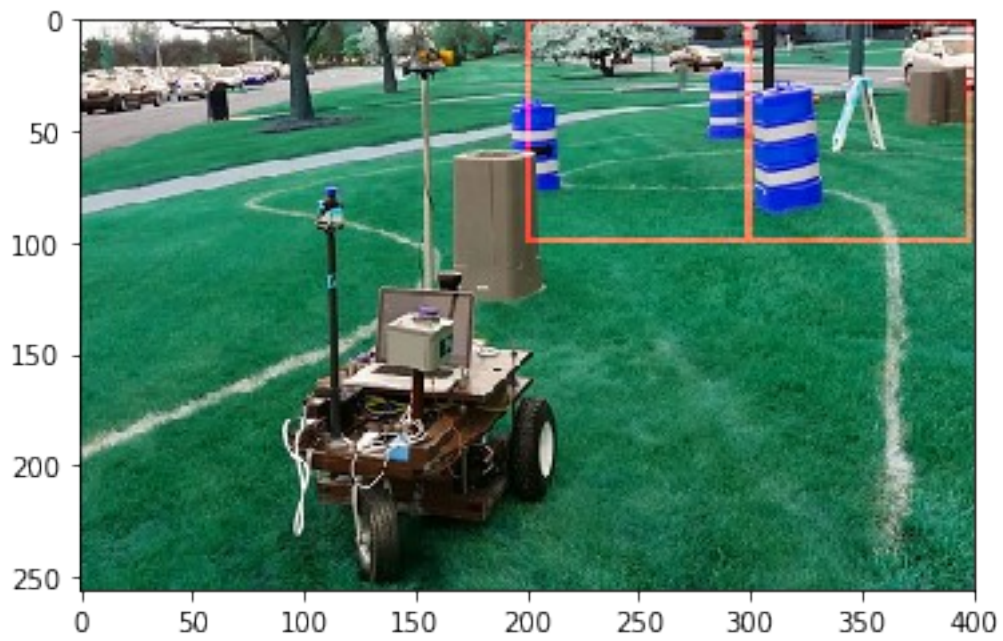
Q3. Maneuver.py is another node in abhiyaan package that subscribes to the /pose topic of turtle2 and publishes /cmd_vel topic to it for its navigation.

Section-B

Q1. The code takes two cases of taking all 0s two right and all 1s to the right, and then finds the minimum swaps required in both cases.

Q3. The Histogram Backprojection implementation is taken from the sample code in the opencv tutorial website. The residue images is looped with bounding boxes to fit in the orange boxes.

The pedestrian detection is done with a function available in Opencv's library.