**Part 1**

Implement a basic driving agent

**Question: what you see in the agent’s behavior. Does it eventually make it to the target location?**

The agent randomly chooses an action from “stay put”, “turn left”, “turn right” or “go forward” at each time point. The agent’s action is in disagree with the one that the planner told it (as shown right next to the car). When the agent’s action is “forward”, it knows to wait for the traffic light to turn green before it makes a move. But it seems like it doesn’t care about other cars. Sometimes it will run into other cars. When the agent’s action is “left”, it knows to wait on red. When the light turns green, it knows to yield for the oncoming cars. However, it doesn’t seem to care if there is a car already on its left. If so, it will simply run into the car that’s already on the left. When the agent’s action is “right”, if the light is green, it will turn right right away. If the light is red, it will look at its left, if there is no car on its left or if the car on its left doesn’t want to go straight, it will turn right. It has the same problem as the action is “left”, it cannot avoid run into the car that is already on its right or that is going to the same spot at the same time with it.

After a lot of driving around, wandering back and forth, the agent can eventually reach the destination.