**Udacity Smartcab project**

Tomoaki Tsuzuki

**Implement a Basic Driving Agent**

***QUESTION:*** *Observe what you see with the agent's behavior as it takes random actions. Does the* ***smartcab****eventually make it to the destination? Are there any other interesting observations to note?*

***ANSWER:*** *I have run 100 times with random actions. Surprisingly the agent reached the goal more than 50% of the time. It is 61/100 times. The average steps to take to reached destination is about 55 steps.*

*The graph below shows how random smartcab performed.*

*Blue line shows if the agent reached to destination (0 = failed, 1 = success). Orange line shows time steps to take.*

*Obviously there is no trend for both success or fail and time steps.*

*Hopefully with Q-learning implemented, it shows trend of getting better and better.*