# After running any code changes make sure to click the button "Restart Connection" above first.

# Also make sure to click Reset in the simulator to refresh the connection.

car\_parameters = {"throttle": 0, "steer": 0, "brake": 0}

def control(pos\_x, pos\_y, time, velocity):

""" Controls the simulated car"""

global car\_parameters

# TODO: Use WASD keys in simulator to gain an intuitive feel of parallel parking.

# Pay close attention to the time, position, and velocity in the simulator.

# TODO: Use this information to make decisions about how to set your car parameters

# In this example the car will drive forward for three seconds

# and then backs up until its y\_pos is less than 32 then comes to a stop by braking

if(time < 3):

car\_parameters["throttle"] = 0.2

car\_parameters["steer"] = 0

car\_parameters["brake"] = 0

elif(pos\_y > 41):

car\_parameters["throttle"] = -0.5

car\_parameters["steer"] = 0

car\_parameters["brake"] = 0

elif(pos\_y < 41 and pos\_x < 126):

car\_parameters["throttle"] = - 0.8

car\_parameters["steer"] = 24

car\_parameters["brake"] = 0

elif(pos\_y < 35 and pos\_y>32.5 and pos\_x > 126):

car\_parameters["throttle"] = - 0.8

car\_parameters["steer"] = -24

car\_parameters["brake"] = 0

else:

car\_parameters["throttle"] = 0

car\_parameters["steer"] = 0

car\_parameters["brake"] = 1

return car\_parameters

import src.simulate as sim

sim.run(control)