Below is the steps for running this project:

- If this is not first time running, remove previous folder first using:

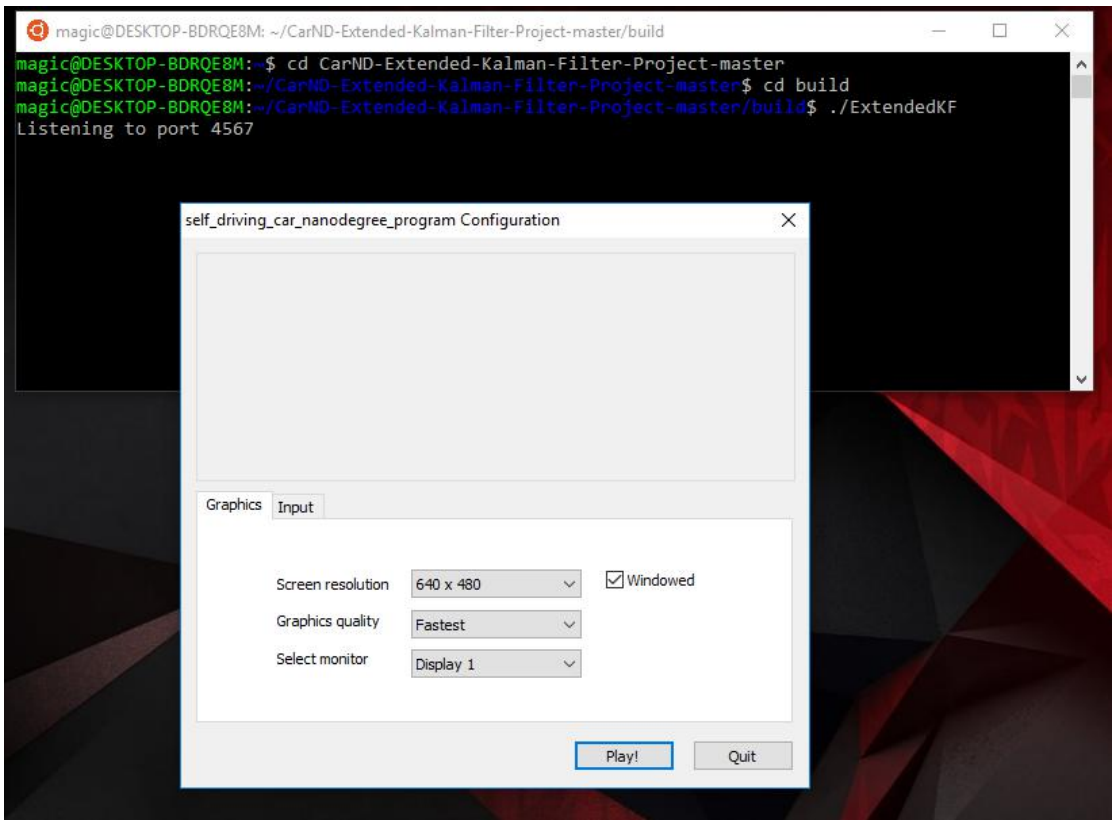
rm -R CarND-Extended-Kalman-Filter-Project-master

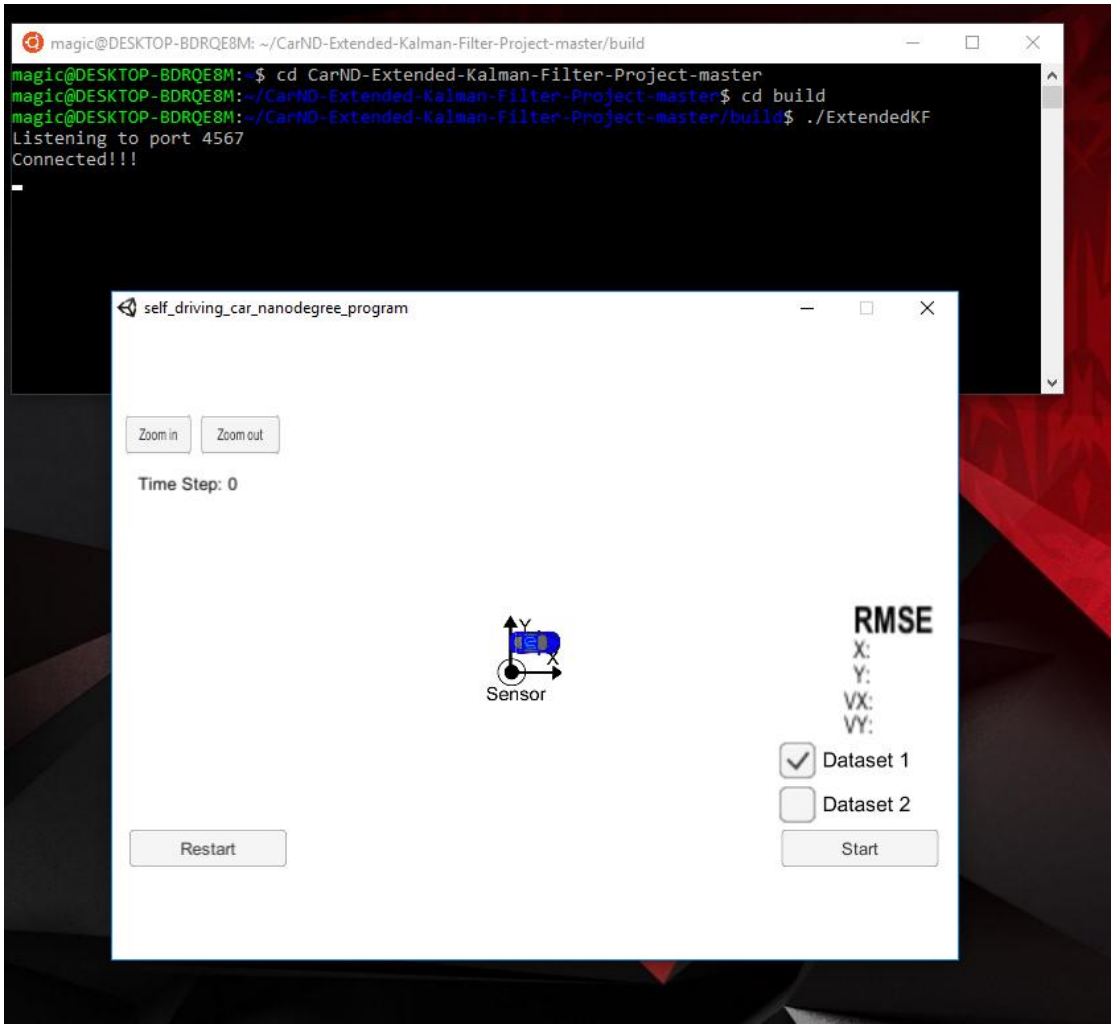
- You may need to select 'y' for certain file while removing folder. Post that, you can run below code to start project running:

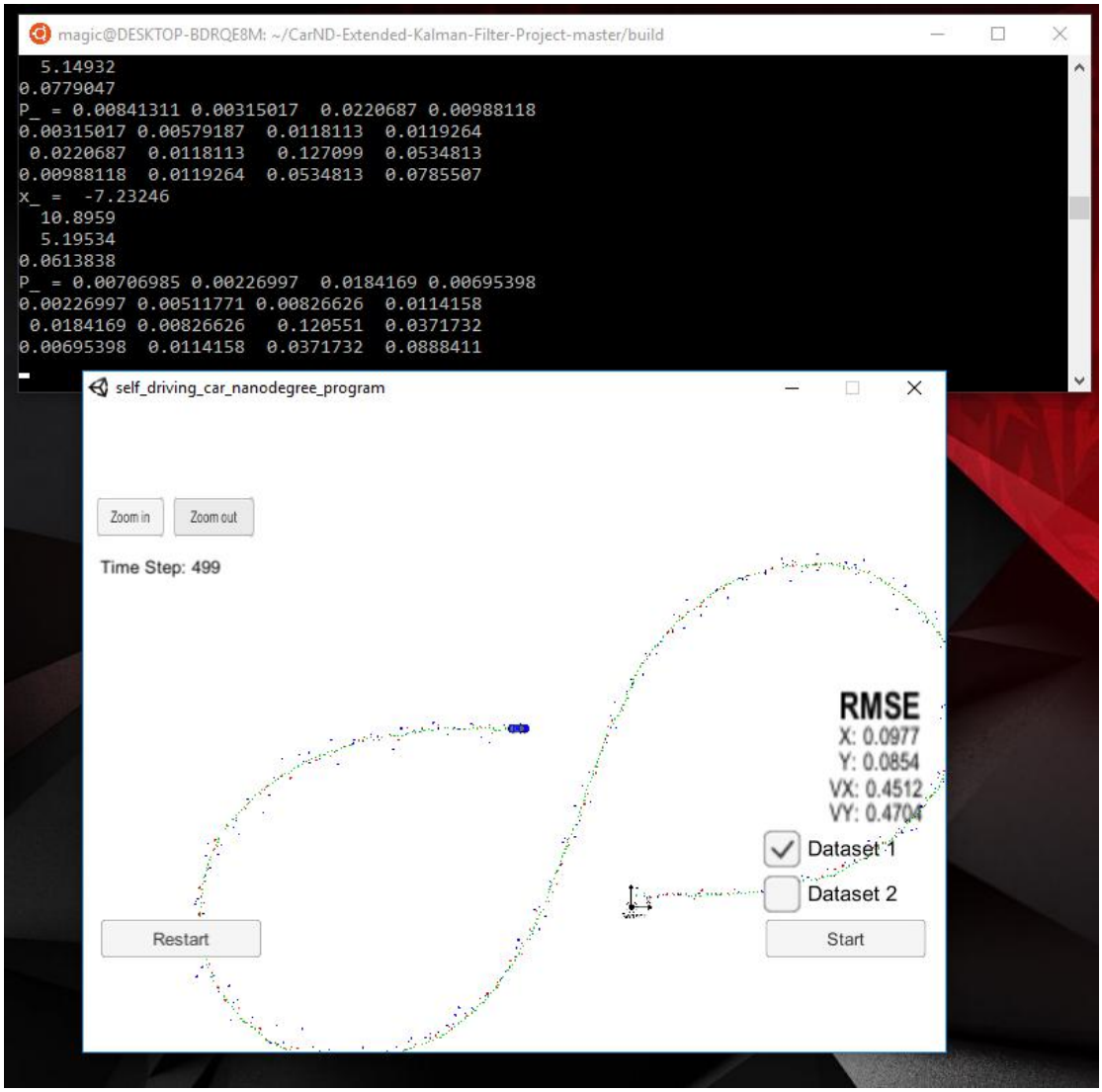
git clone https://github.com/MagicSHX/CarND-Extended-Kalman-Filter-Project-master.git
cd CarND-Extended-Kalman-Filter-Project-master
mkdir build && cd build
cmake .. && make

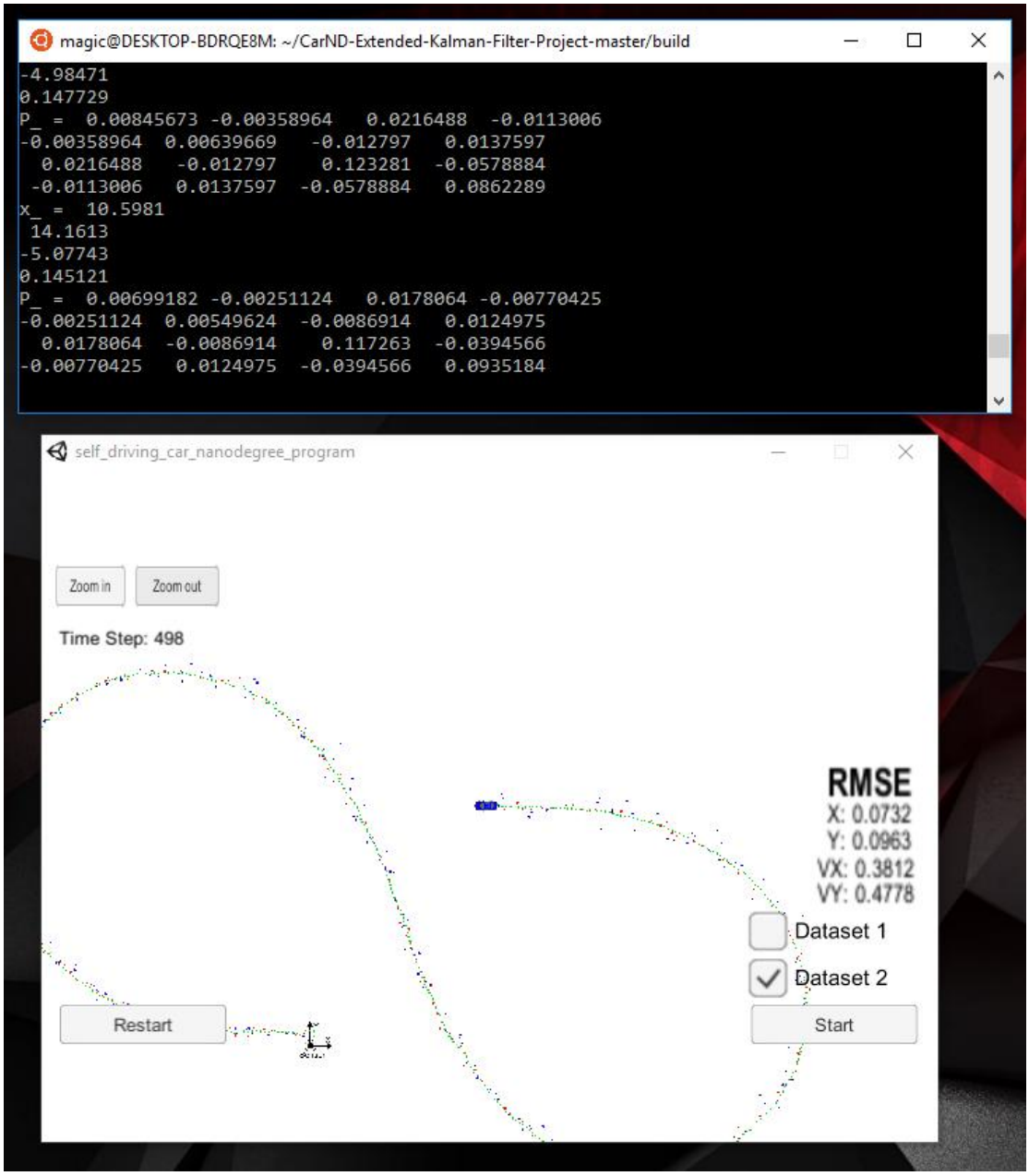
- Last step: making sure simulation started before running below code in ubuntu:

./ExtendedKF




magic@DESKTOP-BDRQE8M: ~/CarND-Extended-Kalman-Filter-Project-master/build
magic@DESKTOP-BDRQE8M:~$ cd CarND-Extended-Kalman-Filter-Project-master
magic@DESKTOP-BDRQE8M:~/CarND-Extended-Kalman-Filter-Project-master$ cd build
magic@DESKTOP-BDRQE8M:~/CarND-Extended-Kalman-Filter-Project-master/build$ ./ExtendedKF
Listening to port 4567
Connected!!!
self_driving_car_nanodegree_program
Zoom in
Zoom out
Time Step: 0
Sensor
RMSE
X:
Y:
VX:
VY:
Dataset 1
Dataset 2
Restart
Start


magic@DESKTOP-BDRQE8M: ~/CarND-Extended-Kalman-Filter-Project-master/build
5.14932
0.0779047
P_ = 0.00841311 0.00315017 0.0220687 0.00988118
0.00315017 0.00579187 0.0118113 0.0119264
0.0220687 0.0118113 0.127099 0.0534813
0.00988118 0.0119264 0.0534813 0.0785507
x_ = -7.23246
10.8959
5.19534
0.0613838
P_ = 0.00706985 0.00226997 0.0184169 0.00695398
0.00226997 0.00511771 0.00826626 0.0114158
0.0184169 0.00826626 0.120551 0.0371732
0.00695398 0.0114158 0.0371732 0.0888411
self_driving_car_nanodegree_program
Zoom in
Zoom out
Time Step: 499
RMSE
X: 0.0977
Y: 0.0854
VX: 0.4512
VY: 0.4704
Dataset 1
Dataset 2
Restart
Start


magic@DESKTOP-BDRQE8M: ~/CarND-Extended-Kalman-Filter-Project-master/build
-4.98471
0.147729
P_ = 0.00845673 -0.00358964 0.0216488 -0.0113006
-0.00358964 0.00639669 -0.012797 0.0137597
0.0216488 -0.012797 0.123281 -0.0578884
-0.0113006 0.0137597 -0.0578884 0.0862289
x_ = 10.5981
14.1613
-5.07743
0.145121
P_ = 0.00699182 -0.00251124 0.0178064 -0.00770425
-0.00251124 0.00549624 -0.0086914 0.0124975
0.0178064 -0.0086914 0.117263 -0.0394566
-0.00770425 0.0124975 -0.0394566 0.0935184
self_driving_car_nanodegree_program
Zoom in
Zoom out
Time Step: 498
RMSE
X: 0.0732
Y: 0.0963
VX: 0.3812
VY: 0.4778
Dataset 1
Dataset 2
Restart
Start