## **Compiling:**

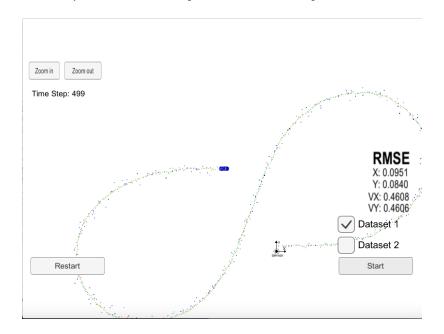
The code compiles without any errors.

## **Accuracy:**

The RMSE values for Dataset 1 are:

px: 0.0951 py: 0.0840 vx: 0.4608 vy: 0.4606

These are less than or equal to the values [.11, .11, 0.52, 0.52].



The RMSE values for Dataset 2 are:

px: 0.0719 py: 0.0946 vx: 0.4345 vy: 0.4620

These are less than or equal to the values [.11, .11, 0.52, 0.52].

