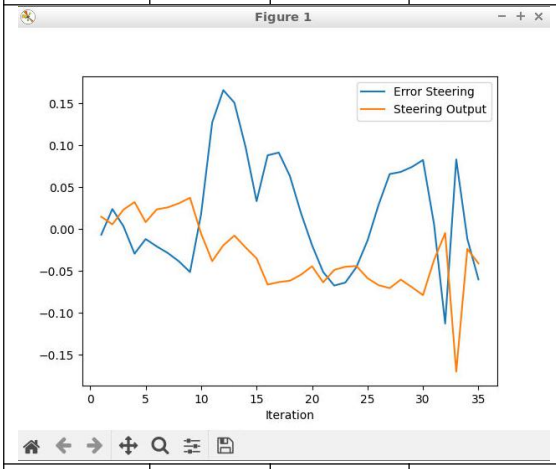
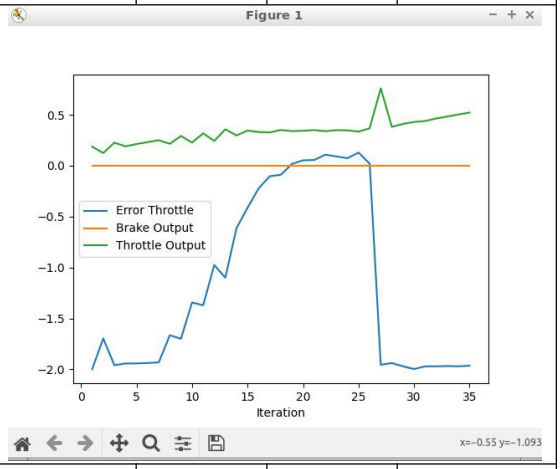
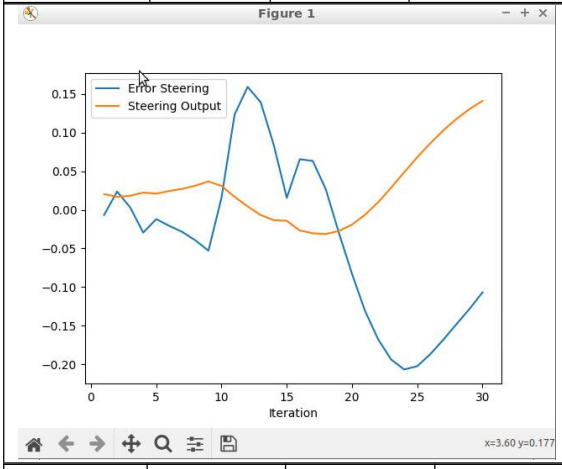
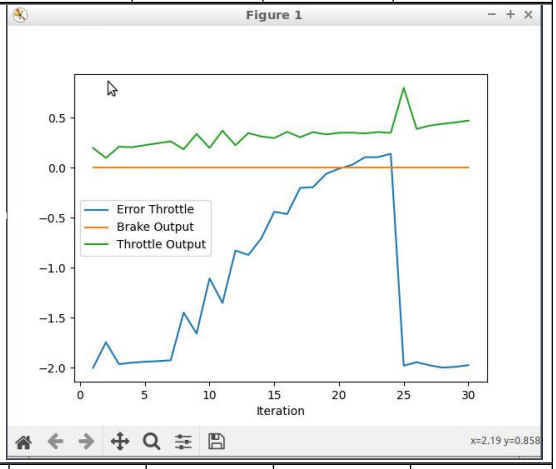
Answer the following questions:

- Add the plots to your report and explain them (describe what you see)

I addressed the comment on atan and conducted over 30 tests for tuning parameters. But I can't seem to find the optimal combination. Below is a list of my best answers.
A: turn to the left and hit the tree.
B: hit the stopped car on the left corner
C: was able to pass the stopped car but hit the wall on the right
The optimal parameters should be between 15 and #16. But I didn't find any big improvements based on my current trials. Can you please give me a range for the narrow down the tests? I've used a lot of GPU hours and really need some directions on how to get the optimal combination.

	Steering			Throttle			
TEST	KP	KI	KD	KP	KI	KD	Notes
A	**0.35**	**0.1**	**0.5**	**0.35**	**0.01**	**0.2**	
							
B	**0.35**	**0.1**	**0.05**	**0.3**	**0.01**	**0.2**	
							
C	0.35	0.1	0.09	0.32	0.01	0.2	

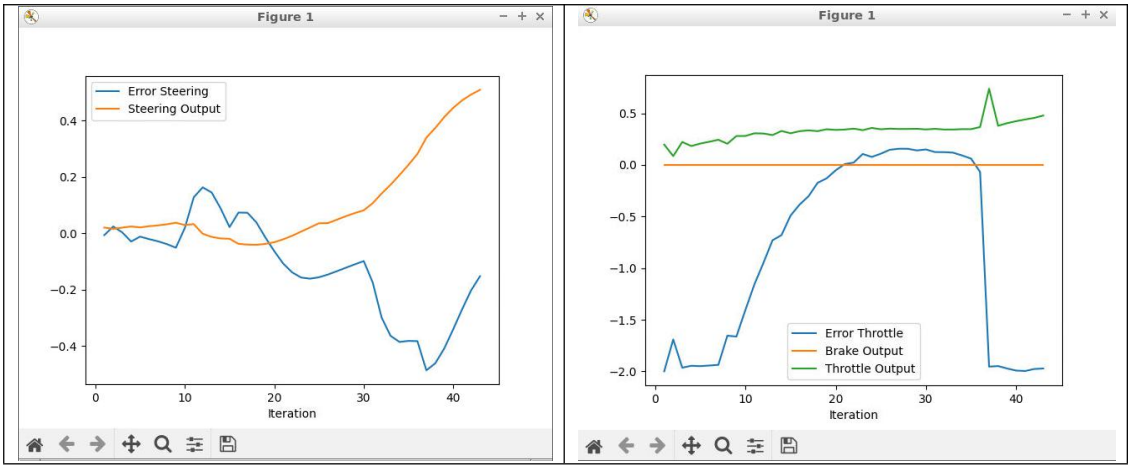


Figure 1
Error Steering
Steering Output
0.4
0.2
0.0
−0.2
−0.4
0
10
20
30
40
Iteration
Figure 1
0.5
0.0
−0.5
−1.0
−1.5
−2.0
Error Throttle
Brake Output
Throttle Output
0
10
20
30
40
Iteration