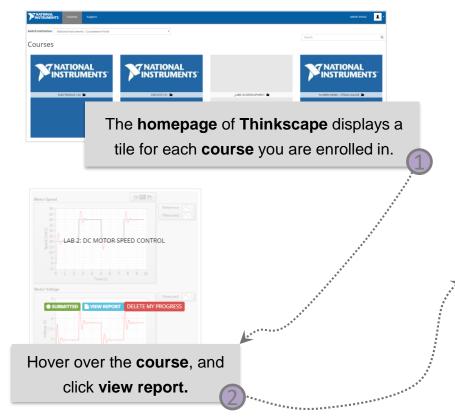
## Viewing a Submitted Lab Report



	* Lab Overview	
nalyze ssessments	Section 1: Qualitative PI Control Design	
uestion	Implement	
1 Explain the behavior of the measured speed with respect to the reference speed in Step 5.	Analyze	
15WEY mentor rate changes to follow the square wave command. The red signal is the measured speed of the motor and it is tracking the blue reference signal, which is generated by th	Section 2: Quantative PI Control Design	
e motor rate changes to romow the square wave command, the red signal is the measured speed to the motor and it is tracking the blue reference signal, which is generated by the	implement	
anti: 2 of 0.0	Analyze	
en se	Section 3: Lead Compensator Design	
uestion	Implement	
2 Explain the observed performance differences in Step 7.	Analyze	
nswer		
: the proportional gain is increased, the response becomes more damped.		
ark		
Daf 0.0		
uestion		
3 Describe and explain the response of the measured speed in Step 10 when k <sub>i</sub> is set low compared to when k <sub>i</sub> is high.		
nswer		
e motor speed tracks the setpoint with no steady-state error when using a pure integral control. The system becomes more oscillatory as the integral gain increases, and eventual ordy-state.	ly the change in the reference signal occurs before the system has reached	
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🛓 Save Report as POF		
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