Solution 1a

* Next page has hand written solution for finding expressions of frequency and damping ratio.
* Inside the main folder, open **“prob\_1a” folder** for Simulink model and Matlab script.
  + First run “params.m” script alone and then run the Simulink model.
* By substituting the given parameters I have obtained the following values:
  + **Kp = 18000**
  + **Kd = 8400**