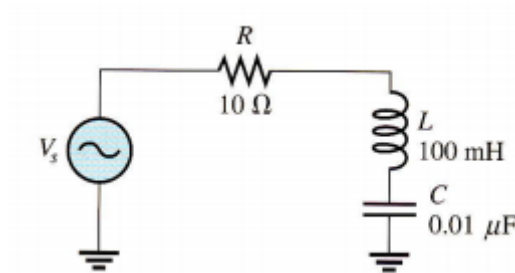


## Tutorial 5

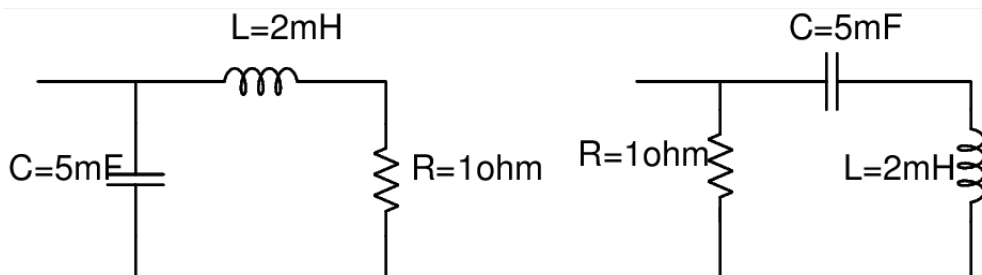
1) For the circuit in figure determine the magnitude of the impedance at the following frequencies.

a) Resonant frequency      b) 1000 Hz above resonant frequency      c) 1000 Hz below resonant frequency.



2) For the above problem plot the current magnitude and the phase response. Also plot the magnitude of impedance as function of frequency, using the values obtained in problem 1.

3) Calculate the resonant frequency of each of the following circuit.



4) What is the bandwidth of each of the circuits shown below.

