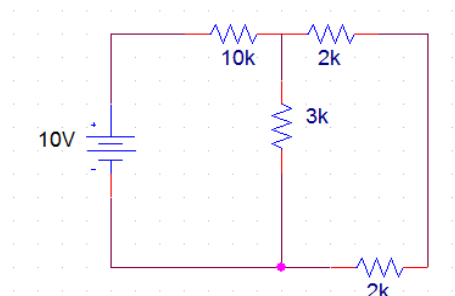


# EEE141 Lab Sec 12

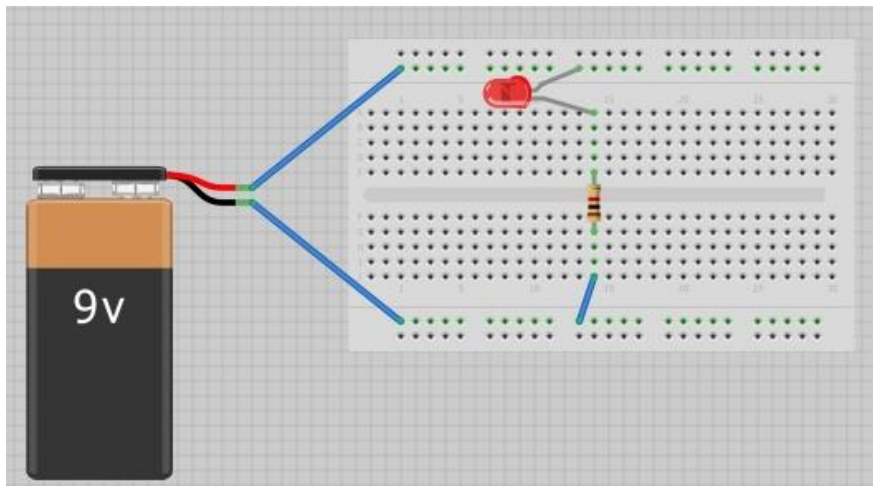
## HOMEWORK 01

Due : 30<sup>th</sup> Oct

1. Find the current through all the resistors.



2. A student reads the color bands from a resistor:  
Gold, Red, Blue, Black.  
What is the value of the resistance of the resistor?
3. If a DMM is connected in parallel to measure current, what would be the danger?
4. The figure below shows an LED and a resistor (3.3K ohms) connected to a 9V supply.
  - a. Draw the circuit diagram for the figure.
  - b. Find the source current if the resistance of LED = 100 ohms.
  - c. Find the voltage drop across all the elements if both of them has the same resistance.



# EEE141 Lab Sec 12

## HOMEWORK 01

Due : 30<sup>th</sup> Oct

5. In respect to the figure 1, explain how you would measure the voltage and current of resistor  $R_2$  of the circuit below. Use diagrams where necessary.

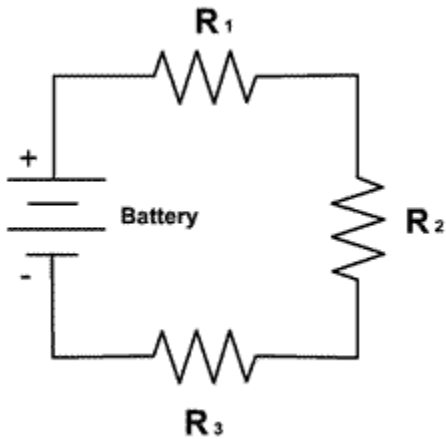


Figure 1:DMM