

Lab No: 03

Name of the Experiment: Observation of Application of a Load, Affecting the Terminal Voltage of the Supply.

ID: 20301138

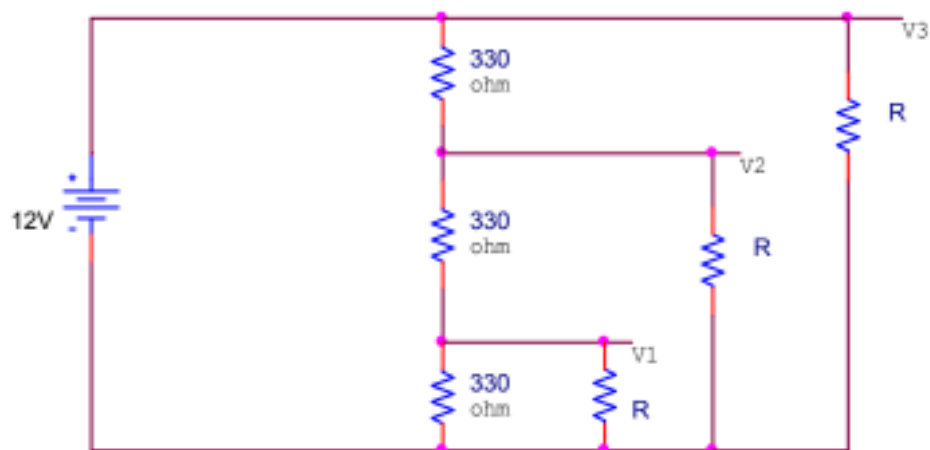
Name: Md . Bokhtiar Rahman Juboraz

Section: 03

Date: 28-02-2022

Circuit 1

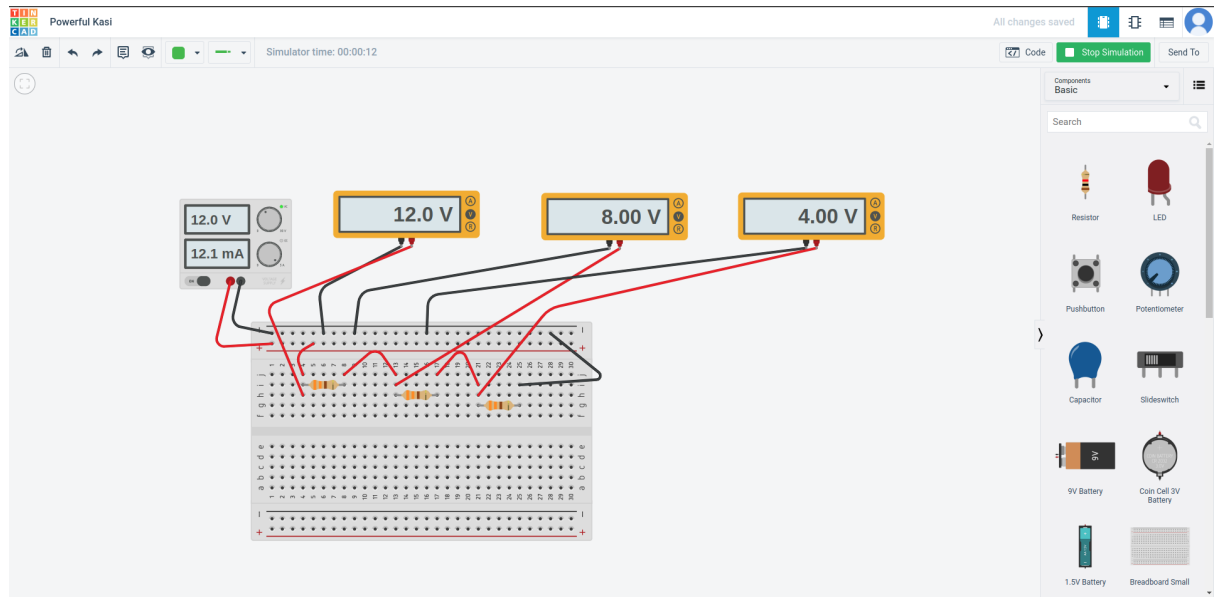
Given Circuit:



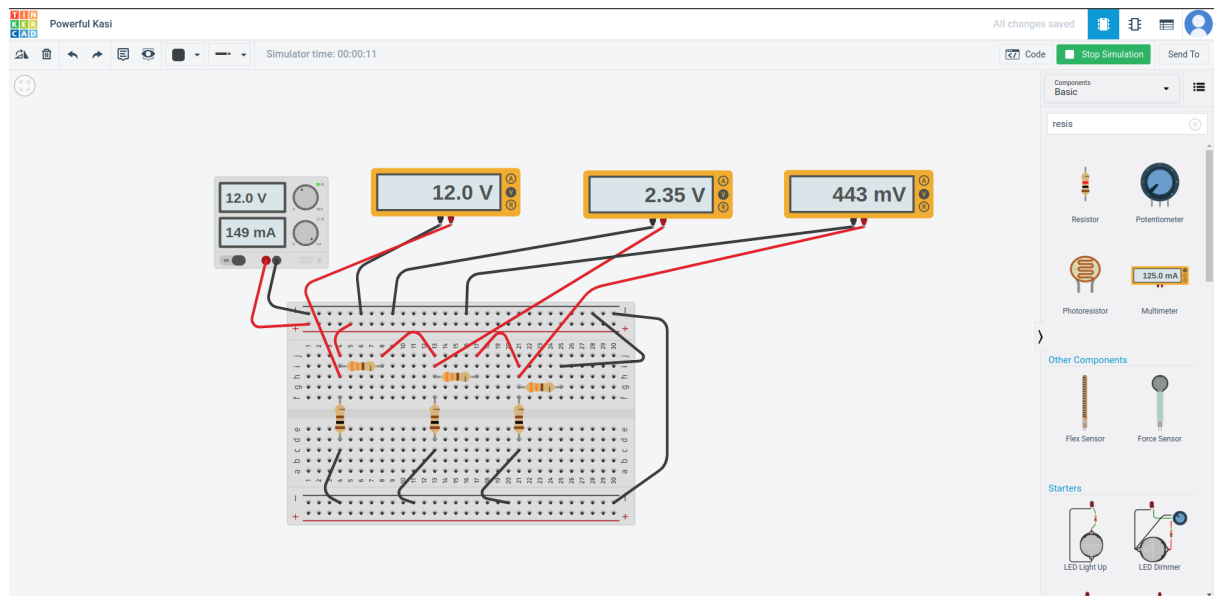
Personal Circuit:

Insert the full screen image of your circuit here. [Full screenshot, not just the circuit]

For no load:



with Load:



Result:

Load Resistance R	V_1 (V)	V_2 (V)	V_3 (V)	$I_1 = V_1/R$ (A)	$I_2 = V_2/R$ (A)	$I_3 = V_3/R$ (A)
No Load	12	8	4	0.03636	0.024	0.012
100 Ω	12	2.35	.443	0.03636	0.0071	0.0013
5.6 K Ω	12	7.63	3.7	0.00214	0.00136	0.00066
10 K Ω	12	7.79	3.83	0.0012	0.000779	0.000383
18 K Ω	12	7.88	3.90	0.00066	0.000437	0.000216