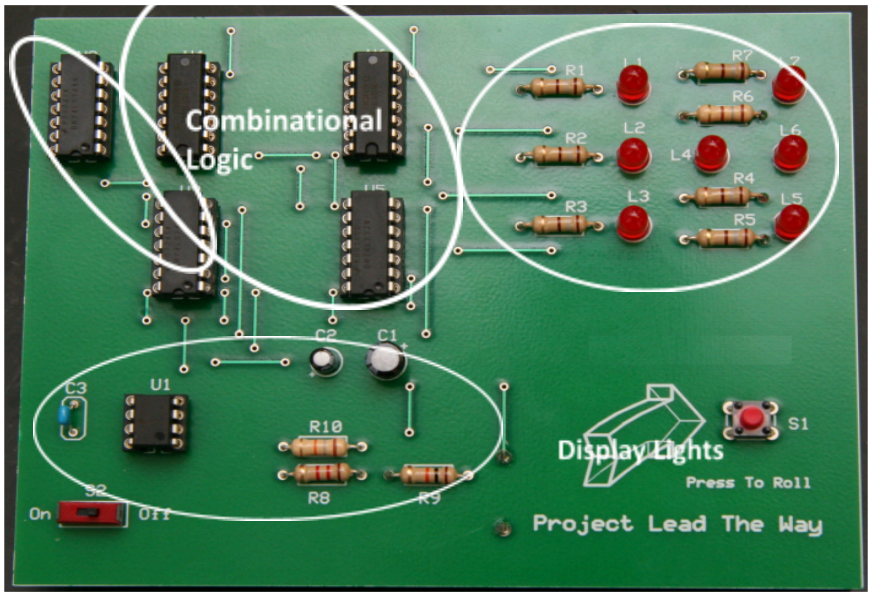
W17: Random Number Generator Project



Matthew, Jeide

Guzman

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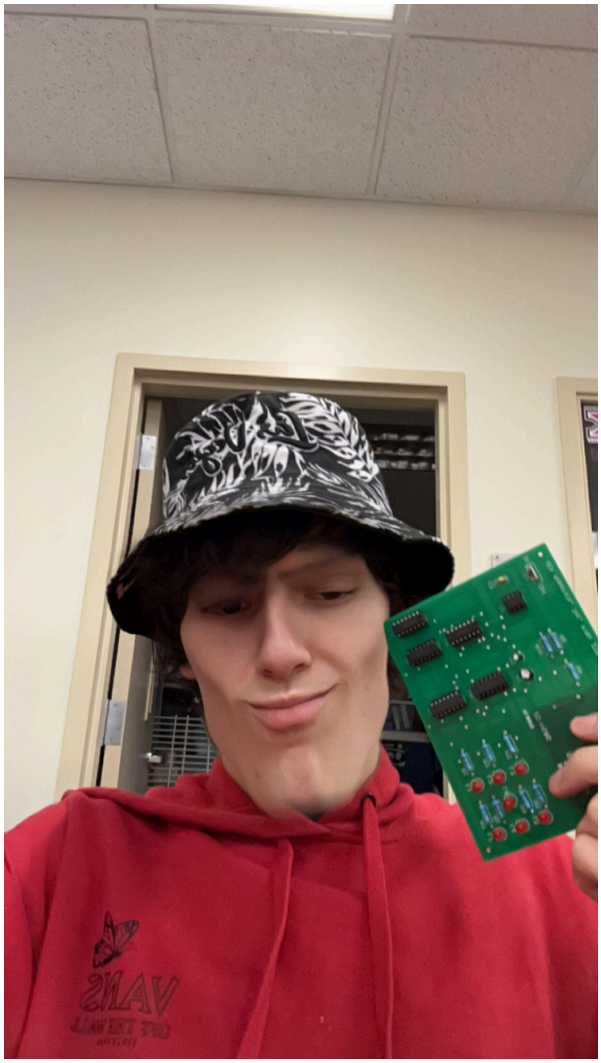

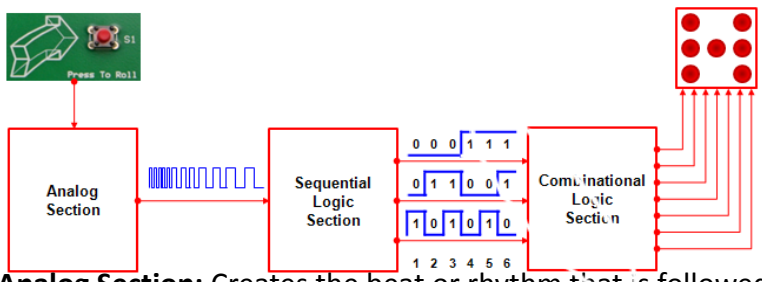

Analog Section: Creates the beat or rhythm that is followed by the circuit.
Sequential Logic: Generates the sequencing or order of the signals.
Combinational Logic: Translates the sequence into a pattern of lights to turn on or off.
Display Lights: Receive a signal from the combinational logic section to turn on or off.

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Attach a **video link** of your working Number Generator and remember to **explain what the device is doing** and display the soldering on the back. Make sure that the camera is able to focus on your soldering skills: https://www.youtube.com/watch?v=dlORIp_oSBo&ab_channel=Sgdoc7

https://youtube.com/shorts/6LWNFcClFEQ

1. **Lessons Learned Regarding Soldering: (minimum 100 words)**

Here you write an entire paragraph explaining what you learned about soldering, safety, component identification, and any other technicalities learned throughout the project.

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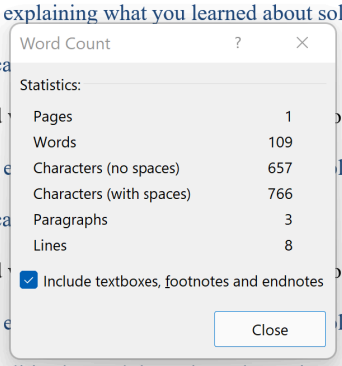

This section must be 100 words or more.

2. Lessons Learned about Learning: (minimum 100 words)

Here you write an entire paragraph explaining what lessons you learned about patience, paying attention, and being careful. Life lessons. Make sure to remove these instructions once you have finished writing your paragraph. Make sure to follow the MLA format. Same as above.

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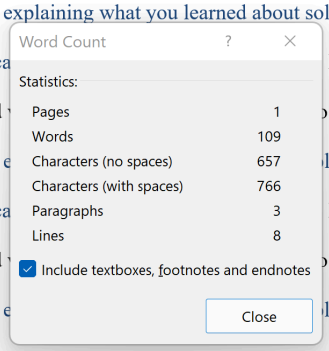

3. Use the data table shown to tally each number displayed as the roll button is pressed **100 times.** After you complete the tally, calculate the total count for each number and its distribution.

1 rolled 27 time(s)

2 rolled 9 time(s)

3 rolled 21 time(s)

4 rolled 19 time(s)

5 rolled 12 time(s)

6 rolled 12 time(s)

Total rolls: 100

Die Number Result	Tally of the Die Number	Distribution of the Die Number

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1	27	27/100
2	9	9/100
3	21	21/100
4	19	19/100
5	12	12/100
6	12	12/100