

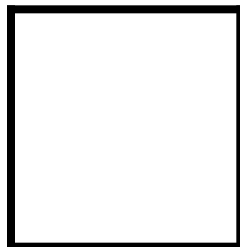


**PAMANTASAN NG LUNGSOD NG MAYNILA**  
(University of the City of Manila)  
Intramuros, Manila

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**Microprocessor Lab**

Laboratory Activity No. 1  
**Familiarization with TinkerCAD**



Score

*Submitted by:*  
**Cervantes. Michael Gabriel F.**  
**Sat 1PM - 6PM / 2**

*Date Submitted*  
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*Submitted to:*  
**Engr. Maria Rizette H. Sayo**

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## 1. Exercise

- A process in Tinkercad where we can develop electronic circuits that can be quickly updated, modified and tested is called Breadboarding.
- In Tinkercad, Simulations tests the working of the circuits and the components.
- The device used to assemble and connect the various components is known as Breadboard.
- In an electronic circuit with LED, the positive end of the circuit should be connected to Anode and negative end should be connected to Cathode of the LED.
- A Resistor is used to restrict the flow of current to electrical components

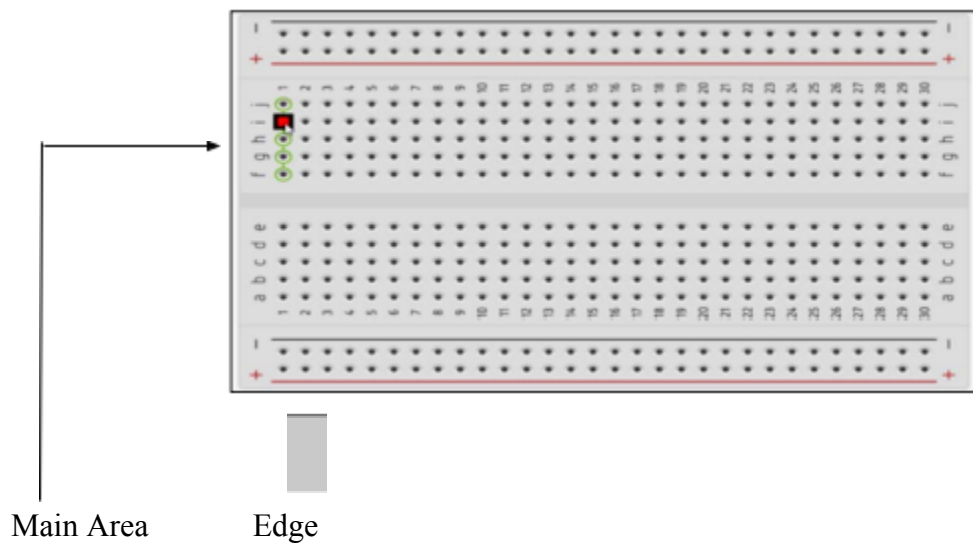
## 2. Label the following:

- Anode and Cathode in a LED



-Cathode Anode

- Different parts of breadboard



- List the electronic components used in a circuit assembly

### Components:

- Resistor
- Capacitor
- Inductor
- Diode
- LED (Light Emitting Diode)