



**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:*  
**Alberto, Mark Allen R.**  
**<4:00pm-7:00pm> / <CPE 0412.1-2>**

*Date Submitted*  
**16-09-2023**

*Submitted to:*  
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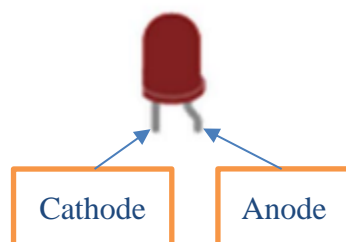
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## 1. Exercise

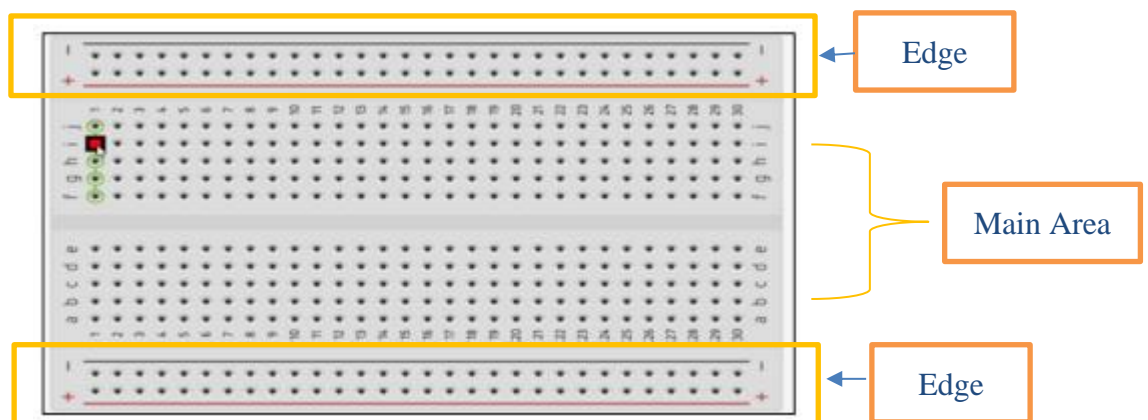
- A process in Tinkercad where we can develop electronic circuits that can be quickly updated, modified and tested is called prototyping.
- In Tinkercad, simulation tests the working of the circuits and the components.
- The device used to assemble and connect the various components is known as breadboard
- 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



- Different parts of breadboard



- List the electronic components used in a circuit assembly
  - Led
  - Switch
  - Resistor
  - Power Source