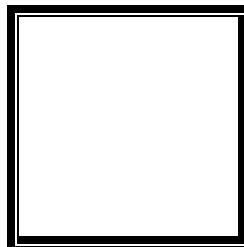




PAMANTASAN NG LUNGSOD NG MAYNILA
(University of the City of Manila)
Intramuros, Manila

Microprocessor Lab

Laboratory Activity No. 1
Familiarization with TinkerCAD



Score

Submitted by:
ONG, MARC FRANCIS C.
<S 1:00 - 4:00 PM> / <2>

Date Submitted
16-09-2023

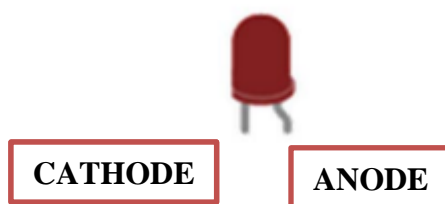
Submitted to:
Engr. Maria Rizette H. Sayo

1. Exercise

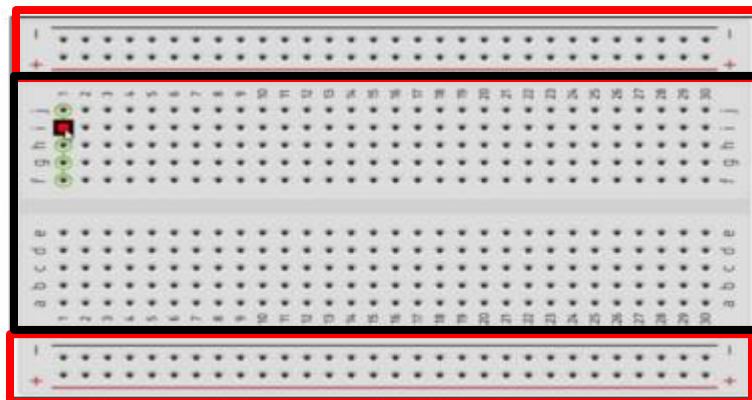
- A process in Tinkercad where we can develop electronic circuits that can be quickly updated, modified and tested is called **PROTOTYPING**.
- In Tinkercad, **FREE ONLINE SERVICES** tests the working of the circuits and the components.
- The device used to assemble and connect the various components 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 **JUMP WIRES** 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



TOP AND BOTTOM = EDGE

MIDDLE = MAIN AREA

- List the electronic components used in a circuit assembly
 - Resistors
 - LED
 - Arduino Uno
 - Breadboard
 - Potentionmeter