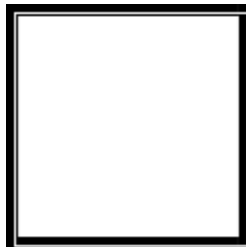




PAMANTASAN NG LUNGSOD NG MAYNILA
(University of the City of Manila)
Intramuros, Manila

Microprocessor Lab

Laboratory Activity No. 1
Familiarization with TinkerCAD



Score

Submitted by:

Palacio, Leticia Mae

<10:00 AM – 1:00 PM (Saturday)> / <20231 – CPE 0412.1-1>

Date Submitted

17-09-2023

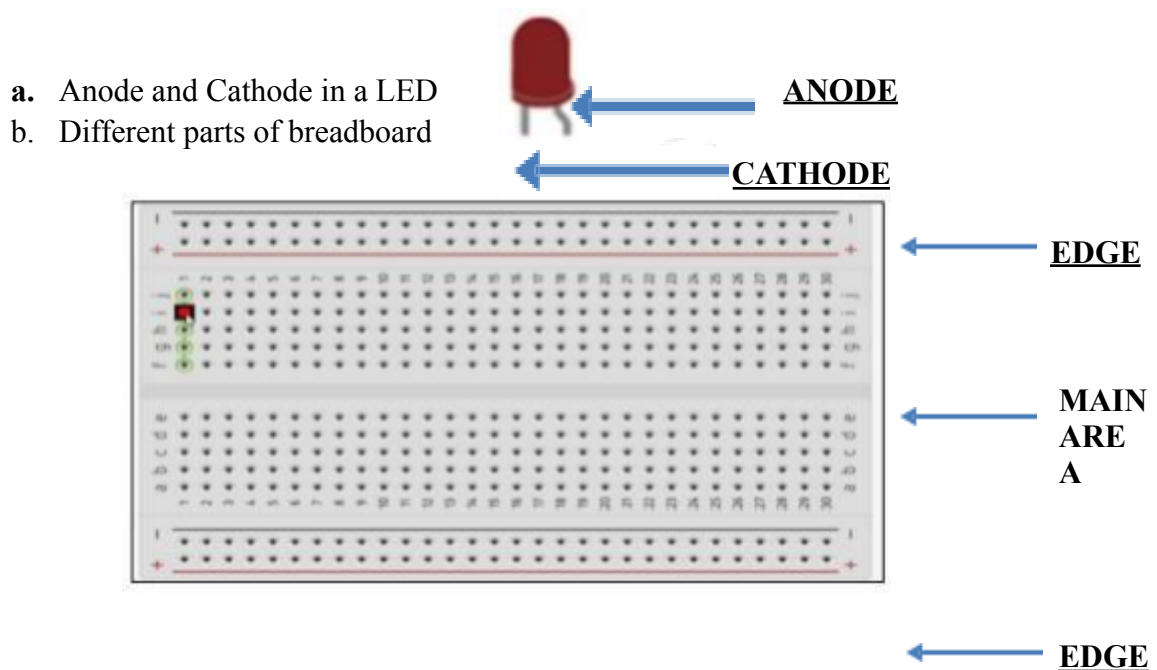
Submitted to:

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 **SIMULATING/SIMULATION**.
- In Tinkercad, **DESIGN AND 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:



c. List the electronic components used in a circuit assembly

1. Fuse
2. Switching Power Supply
3. Reliable Wire and Cables
4. LED (Light Emitting Diode)
5. Integrated Circuit (IC) package
6. Resistor
7. Capacitor
8. Inductor
9. Diode
10. Transistor
11. Relay
12. Resistor Network
13. Potentiometer
14. Voltage Regulator
15. Transformer
16. Crystal Oscillator
17. Switch
18. Connector
19. Battery
20. Sensor