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**AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH**

**Faculty of Engineering**

Lab Report

**Experiment # 00**

**Experiment Title: Write down the experiment title here.**

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| --- | --- | --- | --- |
| **Date of Perform:** |  | **Date of Submission:** |  |
| **Course Title:** | MICROPROCESSOR AND EMBEDDED SYSTEMS LAB | | |
| **Course Code:** | COE3104 | **Section:** |  |
| **Semester:** |  | **Degree Program:** | BSc in CSE/BSc in EEE |
| **Course Teacher:** | **Write the course teacher name here** | | |

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| **Group # 00** | | | | |
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| **Sl No** | **Name** | **ID** | **PROGRAM** | **SIGNATURE** |
| 1 |  |  | BSc in CSE |  |
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| 4 |  |  |  |  |
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| ***Faculty use only*** | | |
| FACULTY COMMENTS | **Marks Obtained** |  |
|  |
| **Total Marks** |  |

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Experiment Title: Write down the title here.

# Objectives:

The objectives of this experiment are to-

1. Experiment objectives go here

# Equipment List:

1. Arduino board
2. Breadboard
3. LED lights (red, yellow, green)
4. Jumper wires

# Circuit Diagram:

The Arduino platform is made up of the following components.

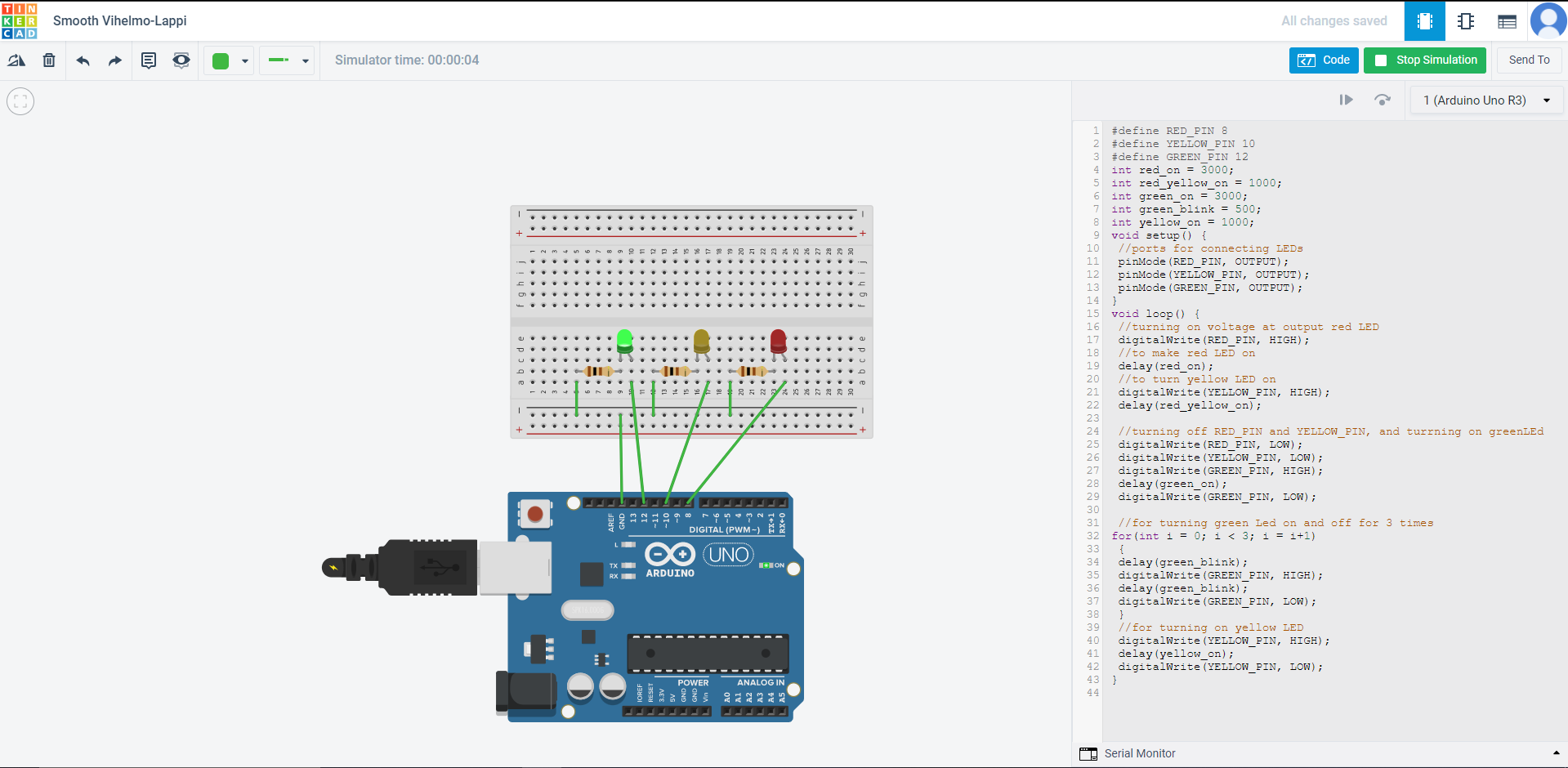


Fig. 1 Hardware circuit diagram of a sample project using TinkerCad

# Code/Program:

Please provide here the codes and explain the codes line by line

**Hardware Output Results:**

Please provide here the hardware results or outputs in the form of images and explain them

**Experimental Output Results:**

Please provide here the experimental results or outputs in the form of images, data, or graphs, and explain how you got the results using which environment and tools.

**Simulation Output Results:**

Please provide here the simulation results or outputs in the form of images and explain how you got the simulation in Proteus or any other environment.

**Answers to the Questions in the Lab Manual:**

Please provide here the answers to the questions at the end of the lab manual.

# Discussion:

Discuss here what you have obtained and how much experience you could achieve.

# References:

1. List the references here from where you can find your answers for this report.
2. ….