**Lab 3 - Project 2 : Pulsating lamp**

**Required :**

Led green 1x

Resistor 220 ohm 1x

Board 1x

Jumper wires

Arduino uno 1x

**Circuit & code :**

Diagram

Description automatically generated with low confidence

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| --- |
| // Proj#2  // gloable var  int ledPin = 10;  float sinVal ;  int ledVal ;  //configuration  void setup() {  pinMode(ledPin, OUTPUT);  }  void loop() {  for (int x=0 ; x<180 ; x++){  sinVal = (sin(x\*(3.1412/180)));  ledVal = int(sinVal\*255);  analogWrite(ledPin , ledVal);  delay(25);    }  } |

**Hardware test in lab :**

A picture containing text, electronics, computer, computer

Description automatically generated