MAKE SKILLED IoT INTERNSHIP

ASSIGNMENT – 3

ARDUINO CONNECTIONS WITH RGB LED

* + HERE WE WILL BE USING ARDUINO INTERFACE.
  + COMPONENTS REQUIRED:
  1. ARDUINO UNO BOARD
  2. PC / LAPTOP INSTALLED WITH ARDUINO IDE SOFTWARE
  3. RGB LED
  4. JUMPING WIRES
  + CIRCUIT DIAGRAM

Graphical user interface, application

Description automatically generated

* PROGRAM

int red\_light\_pin= 0;

int green\_light\_pin = 2;

int blue\_light\_pin = 1;

void setup() {

pinMode(red\_light\_pin, OUTPUT);

pinMode(green\_light\_pin, OUTPUT);

pinMode(blue\_light\_pin, OUTPUT);

}

void loop() {

digitalWrite(red\_light\_pin,HIGH);

delay(1000);

digitalWrite(red\_light\_pin,LOW);

delay(1000);

digitalWrite(green\_light\_pin,HIGH);

delay(1000);

digitalWrite(green\_light\_pin,LOW);

delay(1000);

digitalWrite(blue\_light\_pin,HIGH);

delay(1000);

digitalWrite(blue\_light\_pin,HIGH);

delay(1000);

}

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