

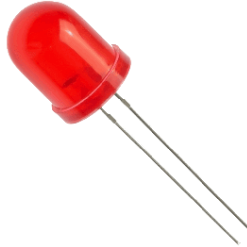


“BLINKING LED USING SALENG UNO/ARDUINO UNO MICROCONTROLLER”

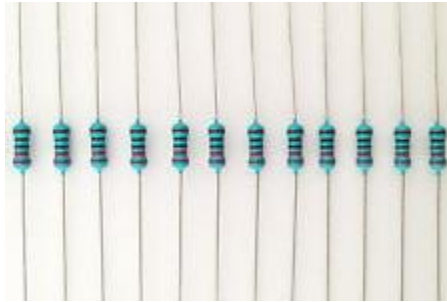
Prepared By: Mary Jane T. Padua

COMPONENTS NEEDED:

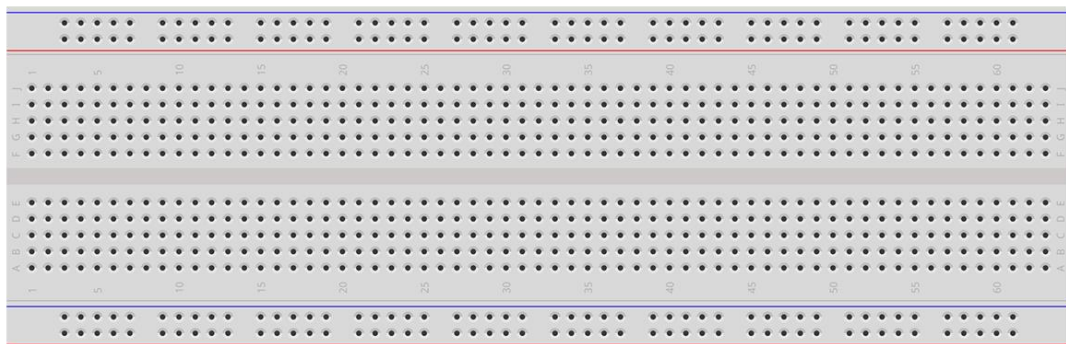
1. Red LED *1



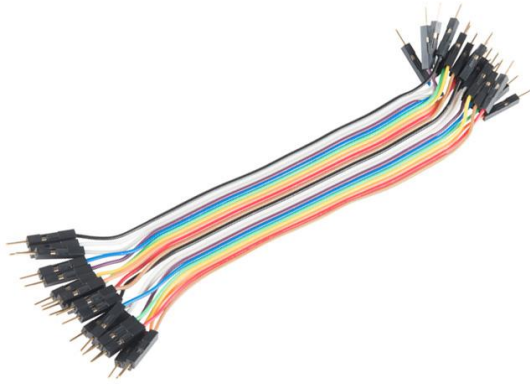
2. 220Ω Resistor *1



3. Breadboard *1



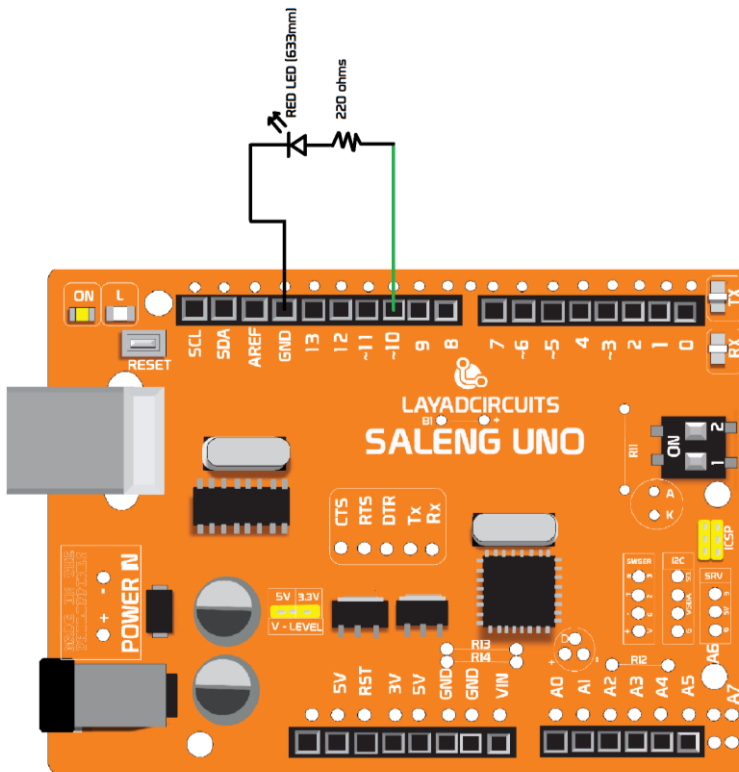
4. Bread board Jumper wires

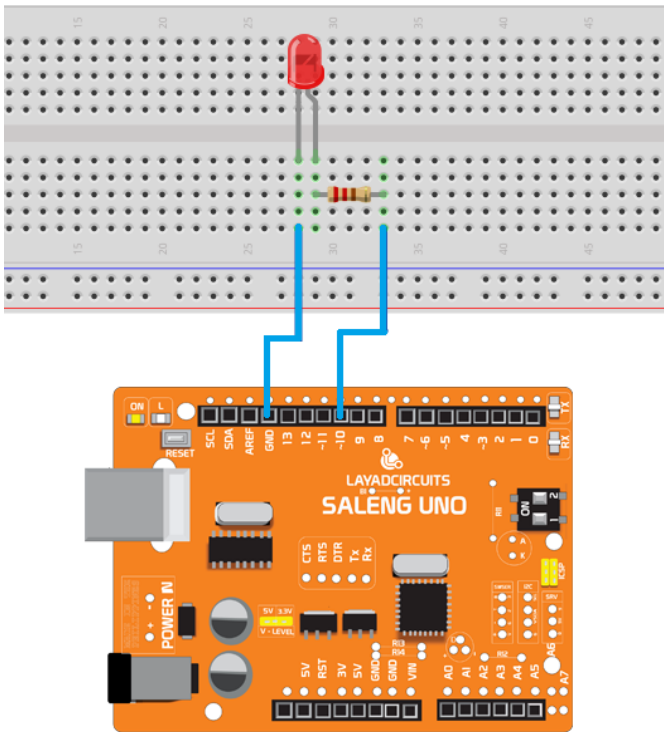


Follow hardware diagram below.

Note: Use 220 up to 1k ohm resistor, otherwise the current will burn the LED.

HARDWARE DIAGRAM:





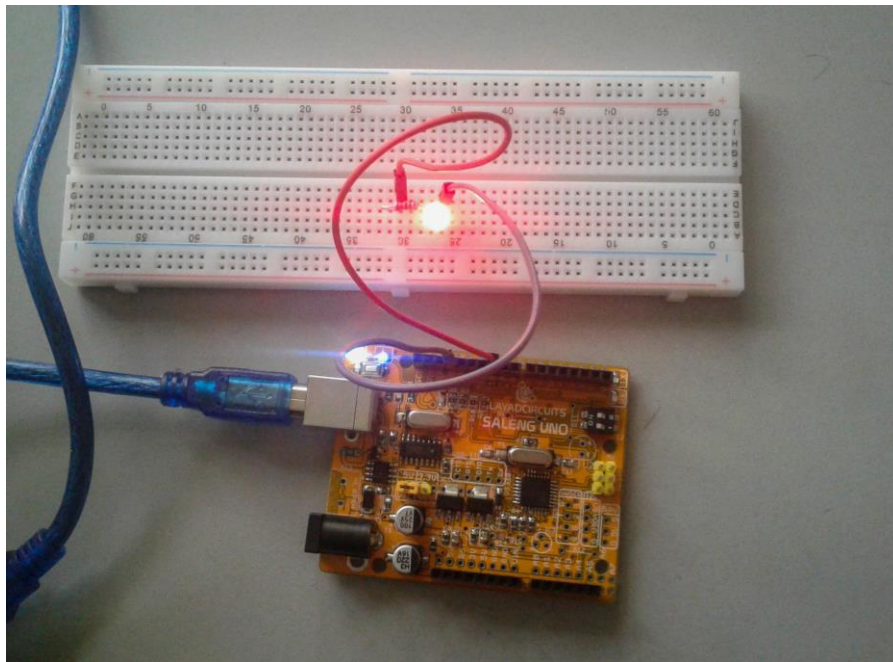
After wiring, you can begin to write a program to blink the LED in every 1 second.

CODE: (Copy these code and paste it on a new Sketch in the Arduino IDE).

```
int ledPin = 10;
void setup()
{
  pinMode(ledPin, OUTPUT);
}
void loop()
{
  digitalWrite(ledPin, HIGH);
  delay(1000);
  digitalWrite(ledPin, LOW);
  delay(1000);
}
```

Upload the program and you will see the LED produce light every 1 second.

FINAL OUTPUT:



This experiment ends here. Thank you very much! 😊