

# **IOT Mini Project**

## **Topic - Voltage Level Indicator**

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### **Components Used:**

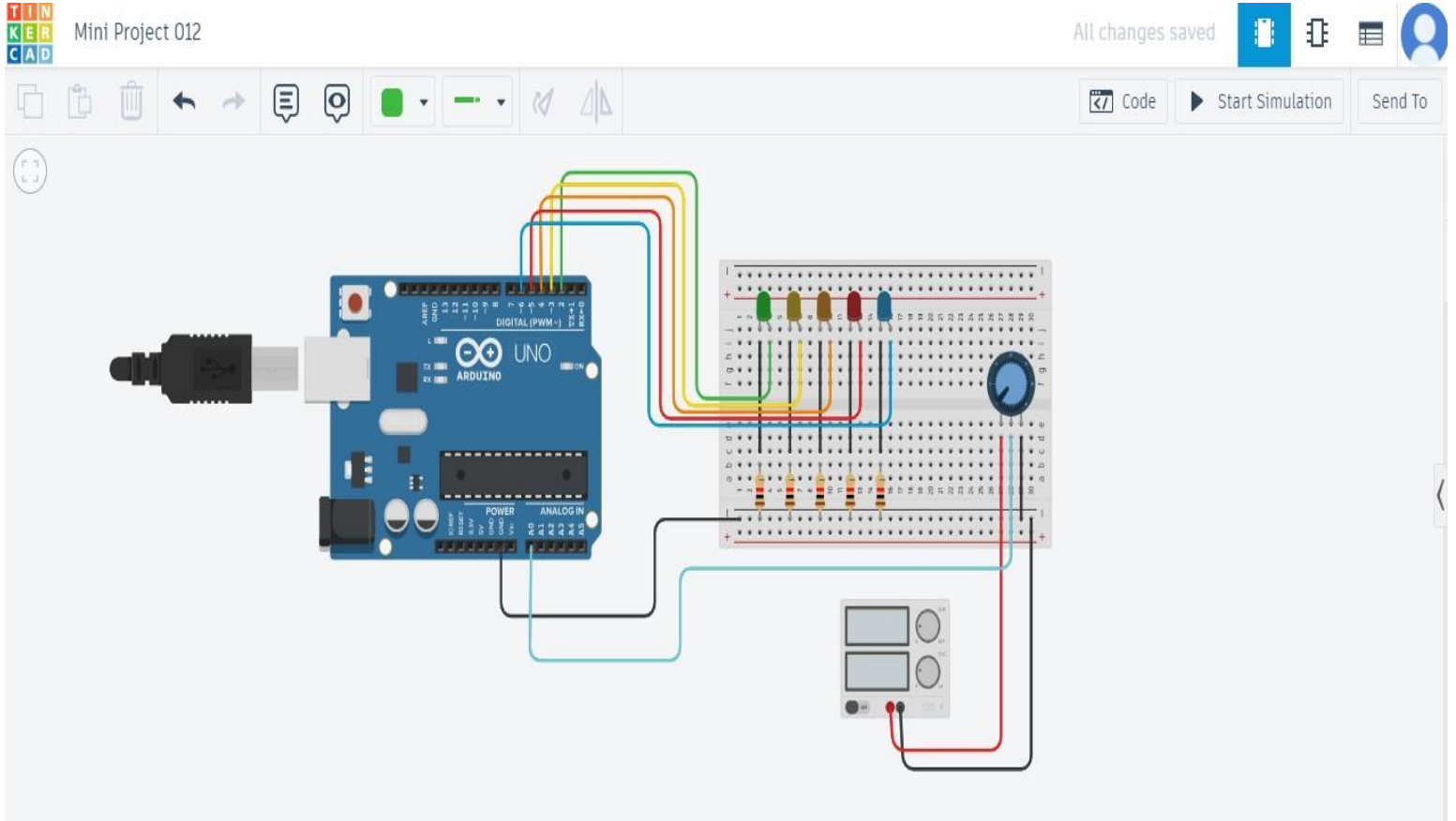
<b>Component Name</b>	<b>Quantity</b>
Arduino Uno R3	1
1 Kilo Ohms Potentiometer	1
1 Kilo Ohms Resistor	1
5 Voltage, 1 Current Power Supply	1
Blue LED	1
Yellow LED	1
Green LED	1
Orange LED	1
Red LED	1

## **Code:**

```
int leds[] = {2,3,4,5,6};  
int low=0, high=0, val;  
  
void setup()  
{  
  for(int i=0;i<5;i++)  
  {  
    pinMode(leds[i], OUTPUT);  
  }  
  Serial.begin(9600);  
}
```

```
void loop()
{
    val = analogRead(0);
    val = map(val, 0, 716, 0, 5);
    Serial.println(val);
    for(int i=0;i<val;i++)
    {
        digitalWrite(leds[i], HIGH);
    }
    for(int i=val;i<5;i++)
    {
        digitalWrite(leds[i], LOW);
    }
}
```

## TinkerCad:



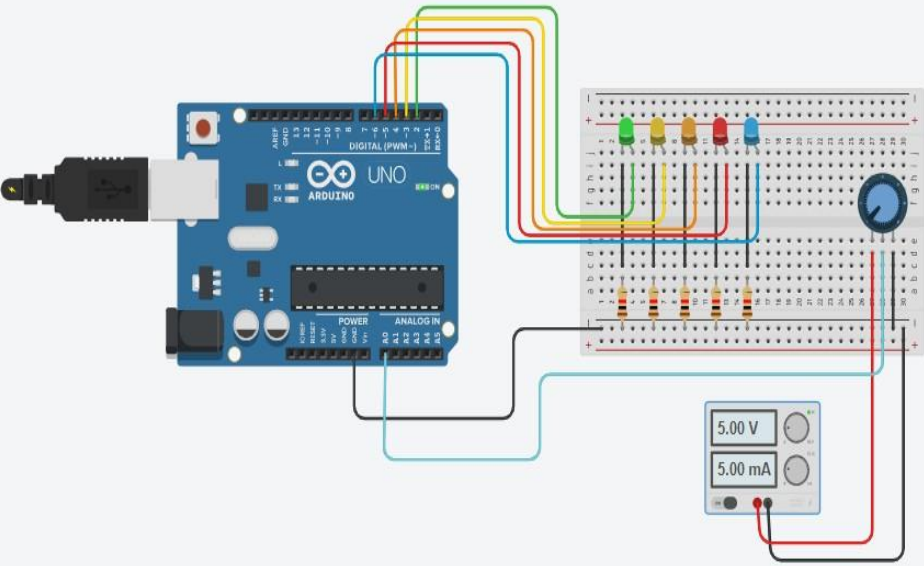


Simulator time: 00:00:03.036

Code

Stop Simulation

Send To



Power Supply

Name 1

Voltage 5

Current 1

# Circuit Diagram:

