

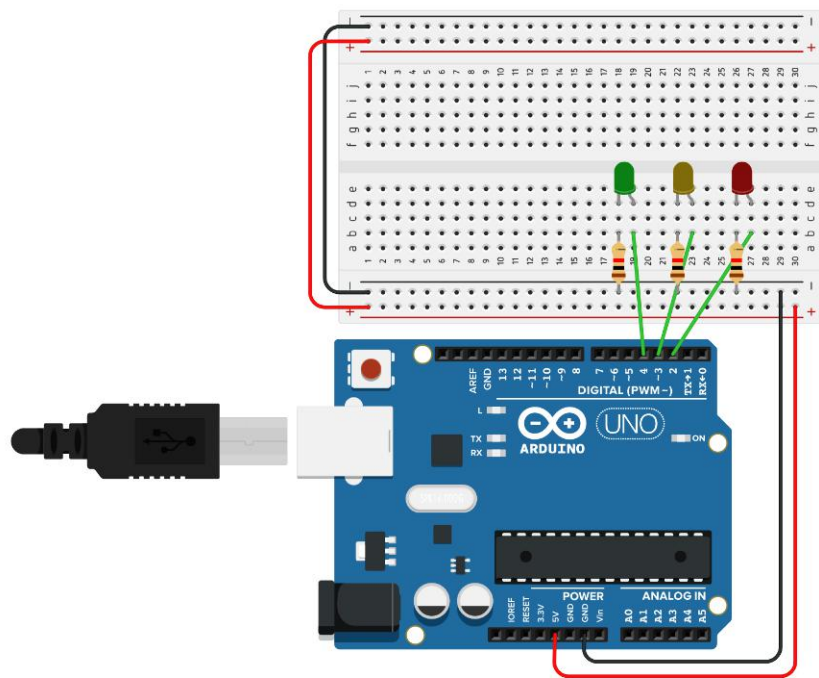
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Mata Kuliah : Praktikum IoT
Plug : C

Tugas Pertemuan 4

Perintah :

Membuat simulasi arduino led's dengan lampu berwarna merah, kuning, dan hijau.

Gambar :



Gambar 1 Gambar Simulasi

Source Code :

```
int red = 2;
int yellow = 3;
int green = 4;
char lampu;

void setup()
{
  Serial.begin(9600);
  pinMode(red, OUTPUT);
  pinMode(yellow, OUTPUT);
  pinMode(green, OUTPUT);
}

void loop()
{
  while (Serial.available())
  {
    lampu = Serial.read();
```

Source Code 1 Source Code Simulator

```

if (lampu == 'a')
ledRed:
{
    digitalWrite(red, HIGH);
    delay(500);
    digitalWrite(red, LOW);
    delay(500);
    digitalWrite(yellow, LOW);
    digitalWrite(green, LOW);
    Serial.println("LED merah nyala");
    loop();
    goto ledRed;
}
else if (lampu == 'b')
ledYellow:
{
    digitalWrite(yellow, HIGH);
    delay(500);
    digitalWrite(yellow, LOW);
    delay(500);
    Serial.println("LED kuning nyala");
    delay(500) ;
    loop();
    goto ledYellow;
}
else if (lampu == 'c')
ledGreen:
{
    digitalWrite(green, HIGH);
    delay(500);
    digitalWrite(green, LOW);
    delay(500);
    Serial.println("LED hijau nyala");
    delay(500) ;
    loop();
    goto ledGreen;
}
}
}

```

Source Code 2 Lanjutan Source Code Simulator

Link github Tugas : <https://github.com/ganisdwpr/Tugas-1-Prak-IoT>