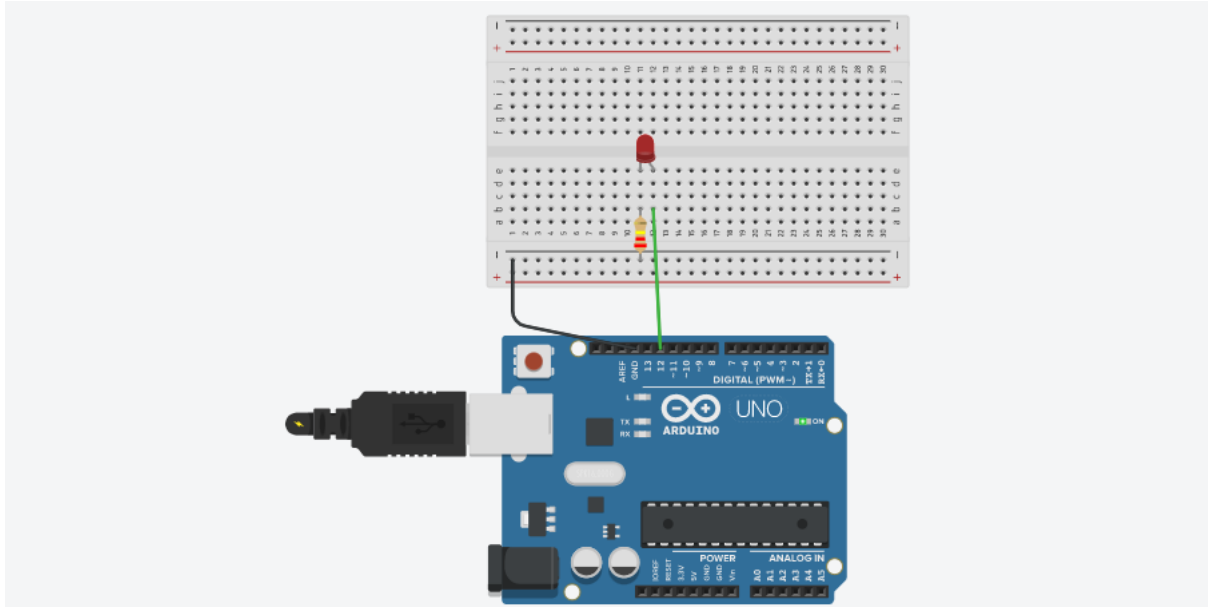


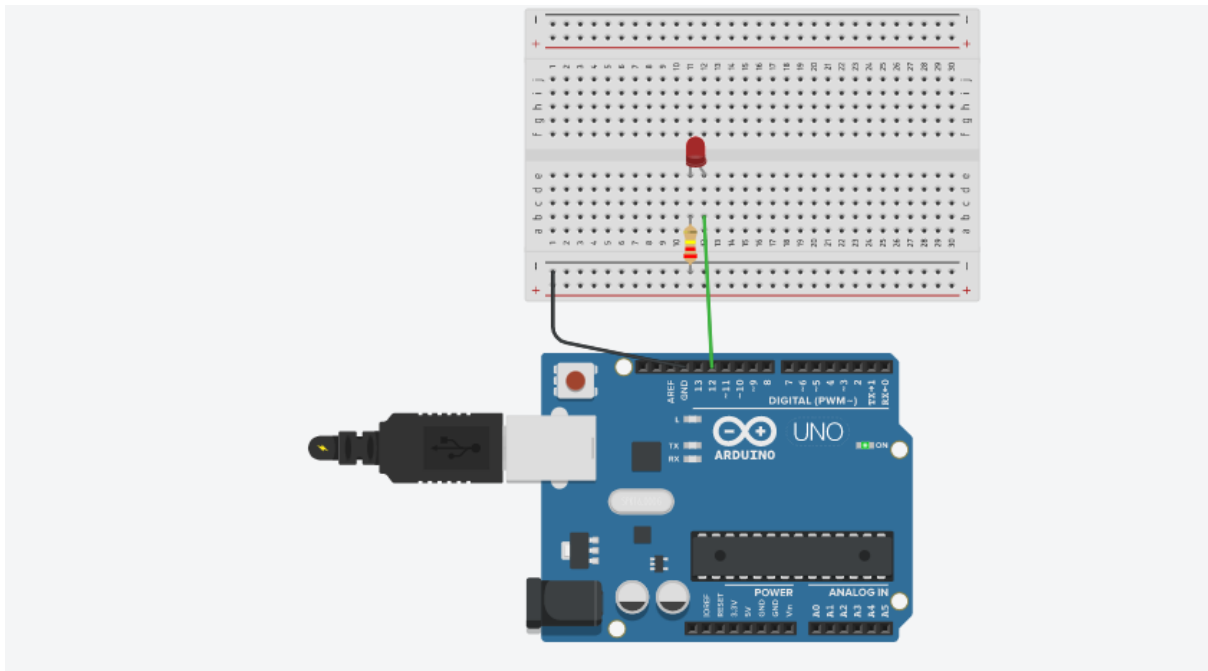
ASSIGNMENT 3

Blinking LED:

Before simulation:



After simulation:



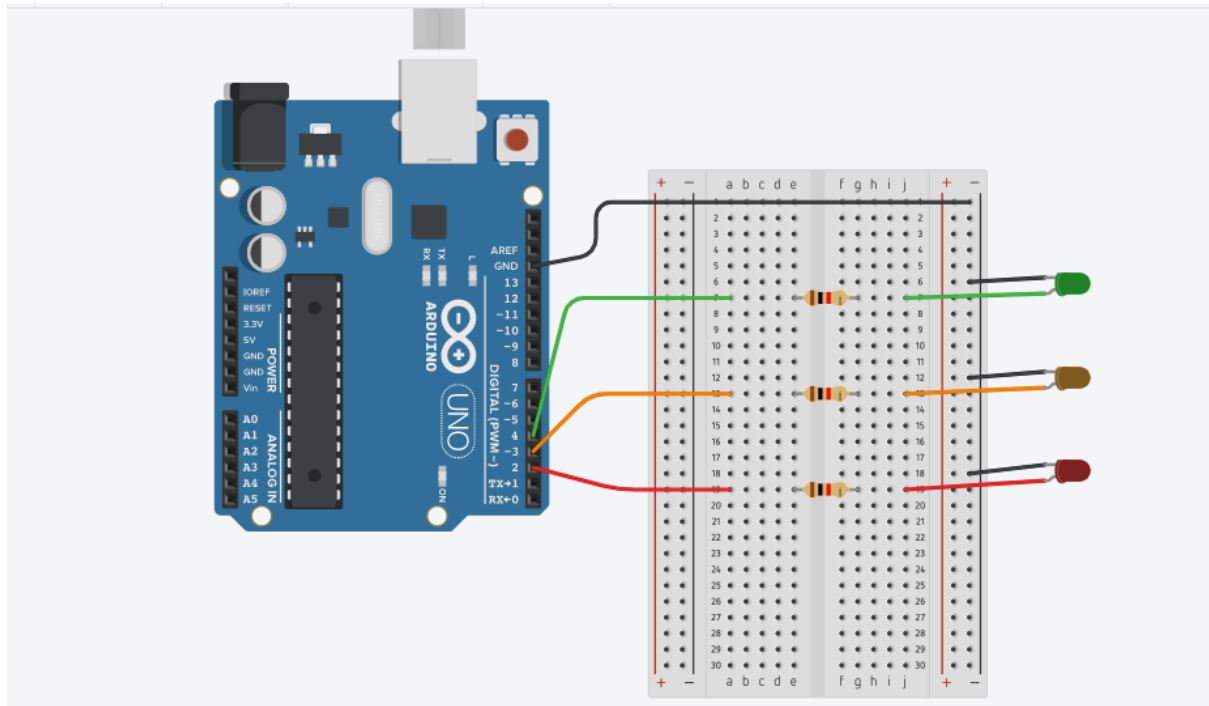
Code for Blinking LED:

```
int led=12;

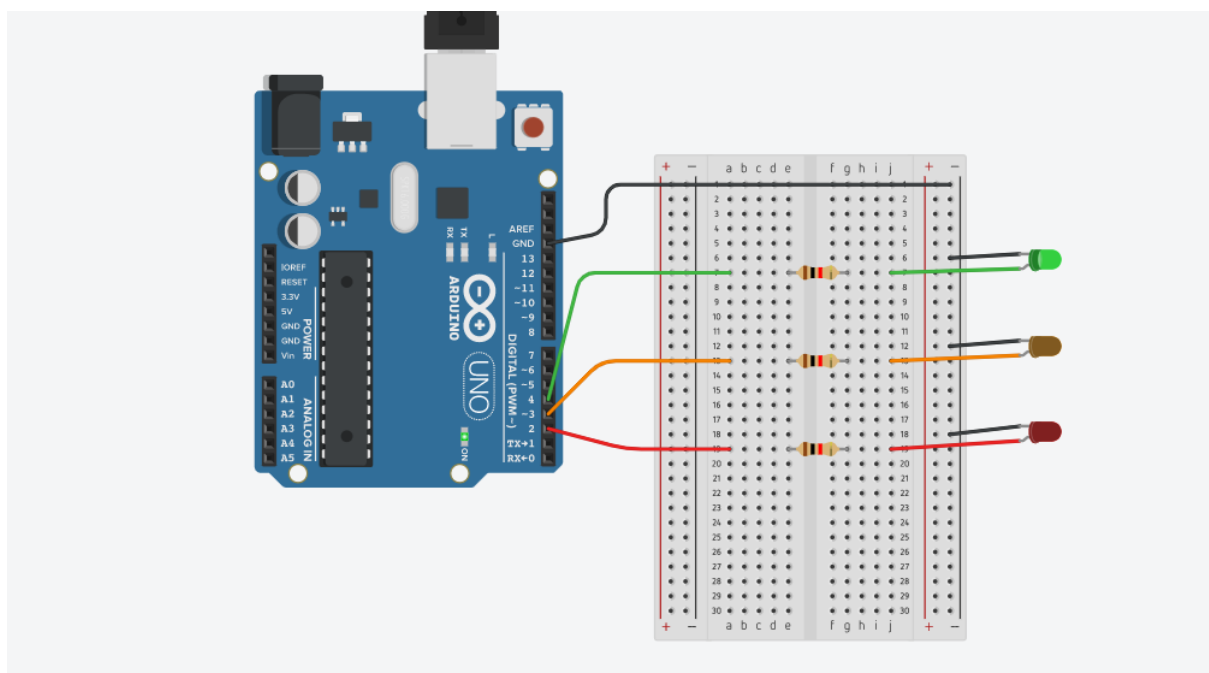
void setup()
{
    pinMode(led, OUTPUT);
}

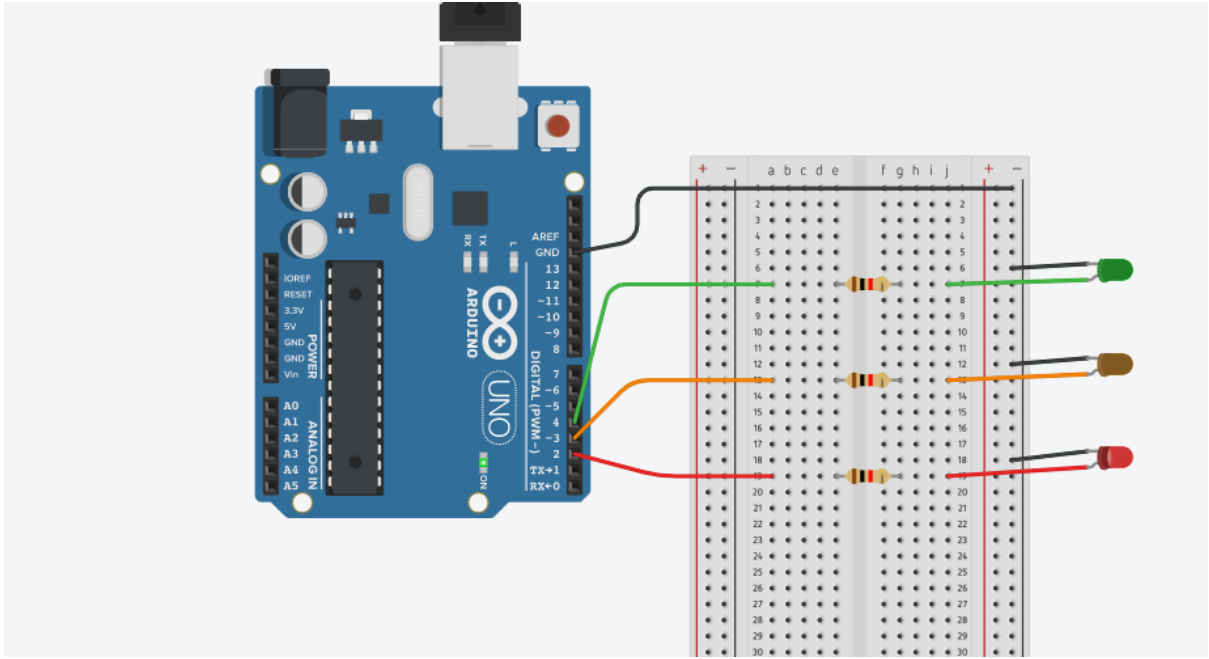
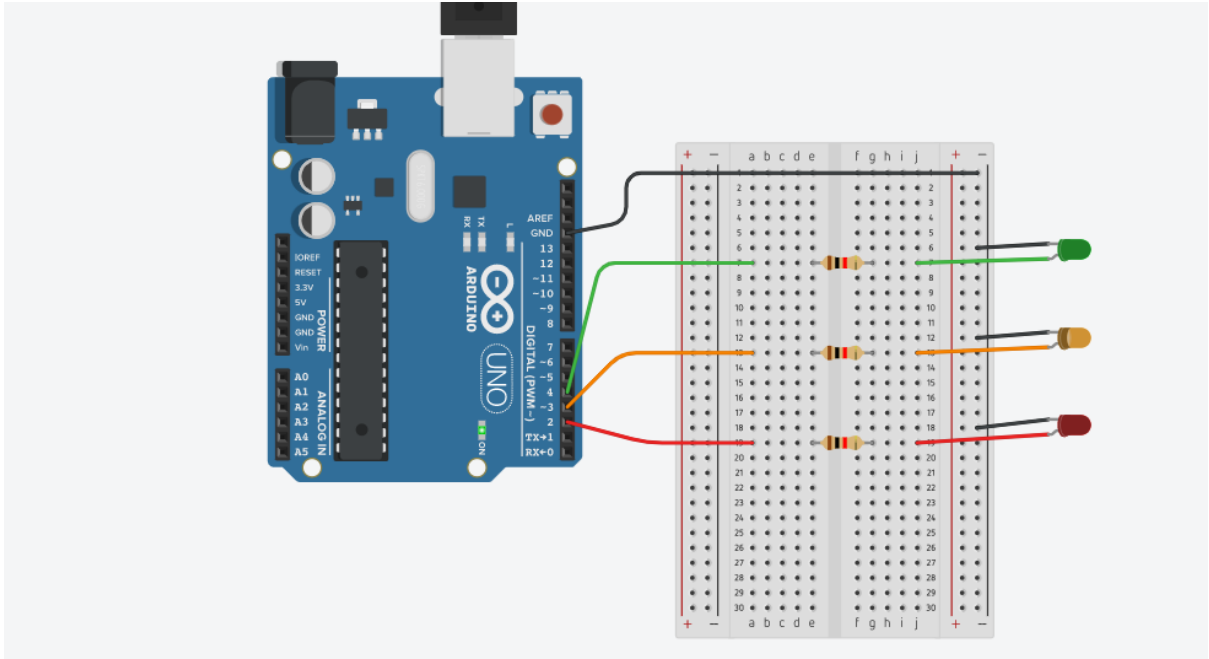
void loop()
{
    digitalWrite(led, HIGH);
    delay(1000); // Wait for 1000 millisecond(s)
    digitalWrite(led, LOW);
    delay(1000); // Wait for 1000 millisecond(s)
}
```

Before Simulation traffic lights:



After simulation:





Code:

```
void setup()
{
  pinMode(4,OUTPUT);
  pinMode(3,OUTPUT);
  pinMode(2,OUTPUT);
}

void loop()
{
  digitalWrite(4,HIGH);//For green LED
  delay(3000);//Wait for 3 second
  digitalWrite(4,LOW);

  digitalWrite(3,HIGH);//For orange LED
  delay(1000);//Wait for 1 second
  digitalWrite(3,LOW);
  digitalWrite(2,HIGH);//For red LED
  delay(3000);//Wait for 3 second
  digitalWrite(2,LOW);
}
```