CCAI 436

Advanced Topics in Artificial Intelligence
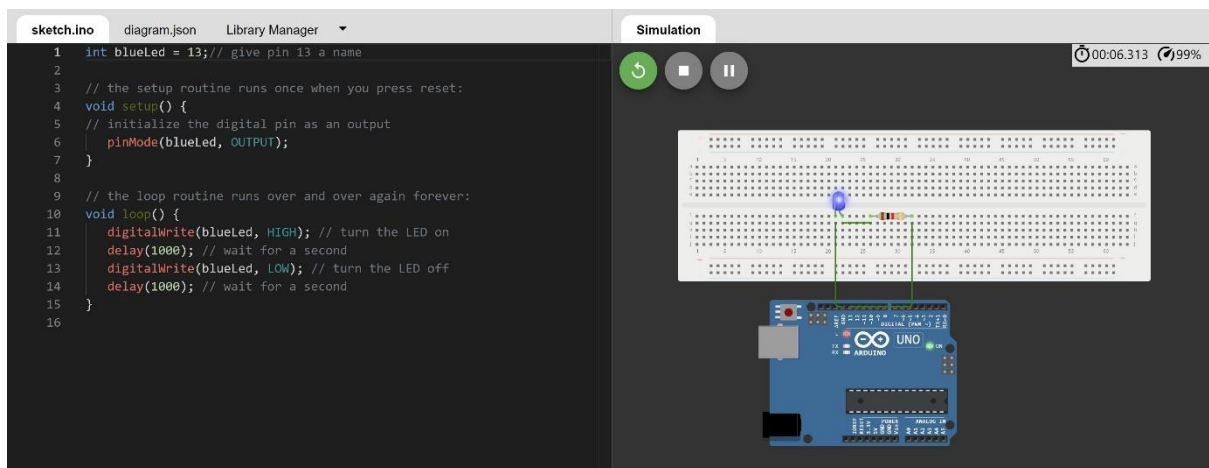

Lab#3

Student Name: Alia AlGhamdi

2023

Lab work

```
int blueLed = 13;// give pin 13 a name

// the setup routine runs once when you press reset:
void setup() {
// initialize the digital pin as an output
   pinMode(blueLed, OUTPUT);
}

// the loop routine runs over and over again forever:
void loop() {
   digitalWrite(blueLed, HIGH); // turn the LED on
   delay(1000); // wait for a second
   digitalWrite(blueLed, LOW); // turn the LED off
   delay(1000); // wait for a second
}
```
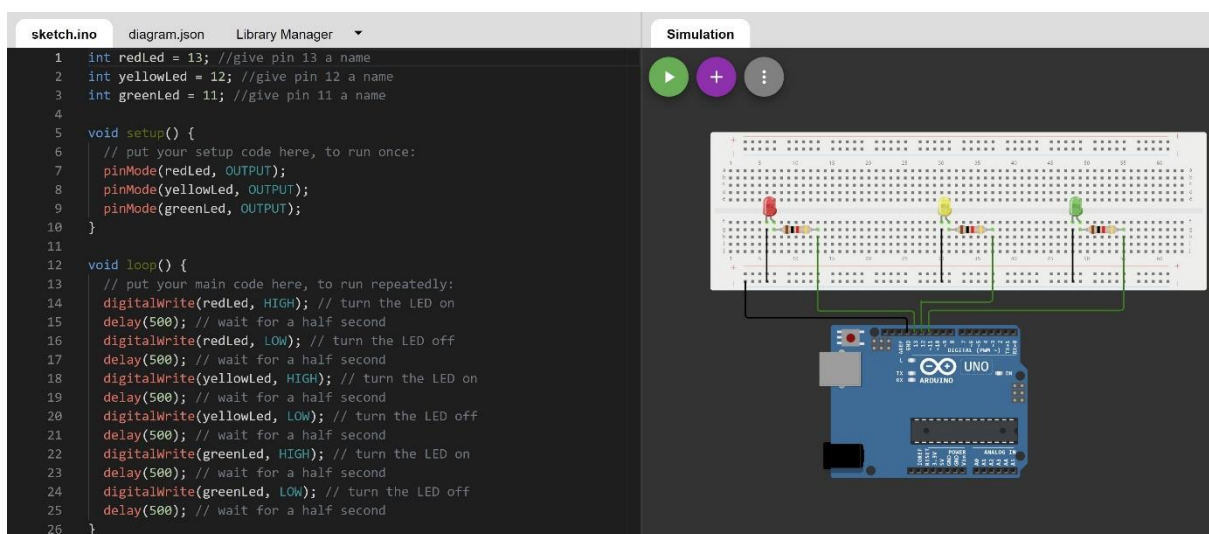

- *Code link:* Lab 3 work

Lab task

```arduino
int redLed = 13; //give pin 13 a name
int yellowLed = 12; //give pin 12 a name
int greenLed = 11; //give pin 11 a name

void setup() {
  // put your setup code here, to run once:
  pinMode(redLed, OUTPUT);
  pinMode(yellowLed, OUTPUT);
  pinMode(greenLed, OUTPUT);
}

void loop() {
  // put your main code here, to run repeatedly:
  digitalWrite(redLed, HIGH); // turn the LED on
  delay(500); // wait for a half second
  digitalWrite(redLed, LOW); // turn the LED off
  delay(500); // wait for a half second
  digitalWrite(yellowLed, HIGH); // turn the LED on
  delay(500); // wait for a half second
  digitalWrite(yellowLed, LOW); // turn the LED off
  delay(500); // wait for a half second
  digitalWrite(greenLed, HIGH); // turn the LED on
  delay(500); // wait for a half second
  digitalWrite(greenLed, LOW); // turn the LED off
  delay(500); // wait for a half second
}
```


- Code link: Lab 3 task