# ASSIGNMENT-3

**NAME:** RAJALAKSHMI G

**REGISTER NUMBER:** 111519106132

**TEAM ID:** PNT2022TMID15088

**MAXIMUM MARKS:** 2 Marks

**QUESTION 1:** Blinking of Traffic lights using Raspberry pi

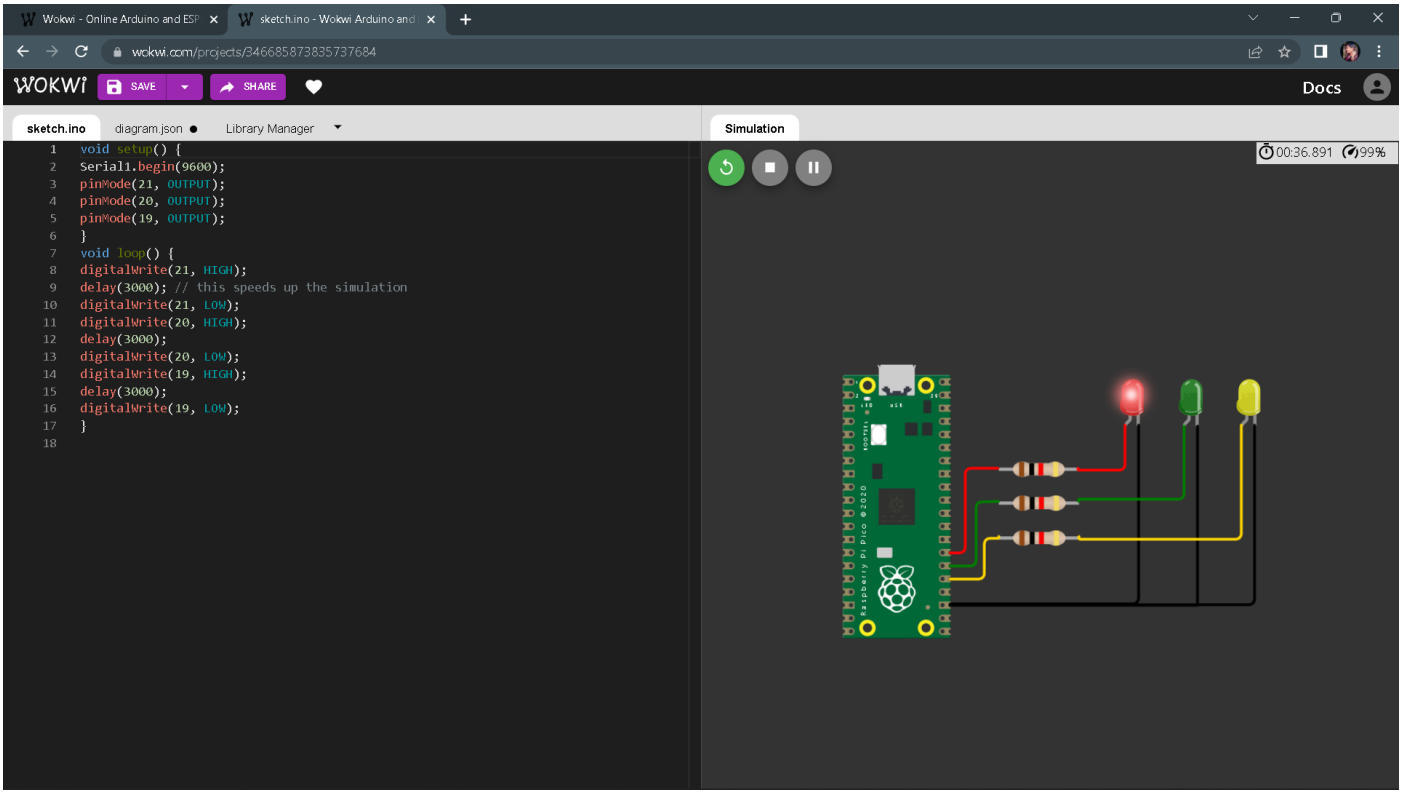
**QUESTION 2:** Blinking of LED using Raspberry pi

## TRAFFIC LIGHTS PROGRAM:

```
void setup() {
Serial1.begin(9600);
pinMode(21, OUTPUT);
pinMode(20, OUTPUT);
pinMode(19, OUTPUT);
}
void loop() {
digitalWrite(21, HIGH);
delay(3000); // this speeds up the simulation
digitalWrite(21, LOW);
digitalWrite(20, HIGH);
delay(3000);
digitalWrite(20, LOW);
digitalWrite(19, HIGH);
delay(3000);
digitalWrite(19, LOW);
}
```

## OUTPUT:

### (i) RED LIGHT:

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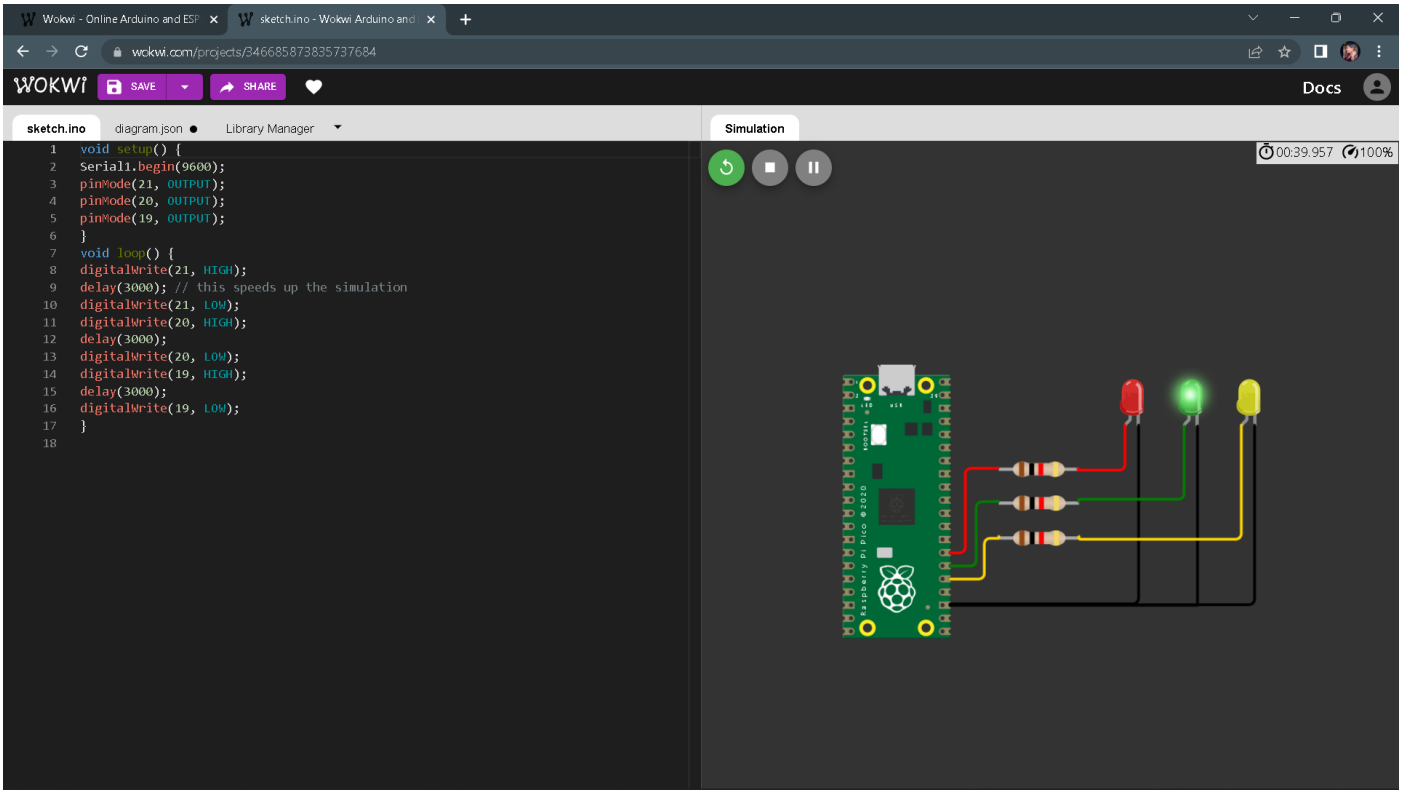
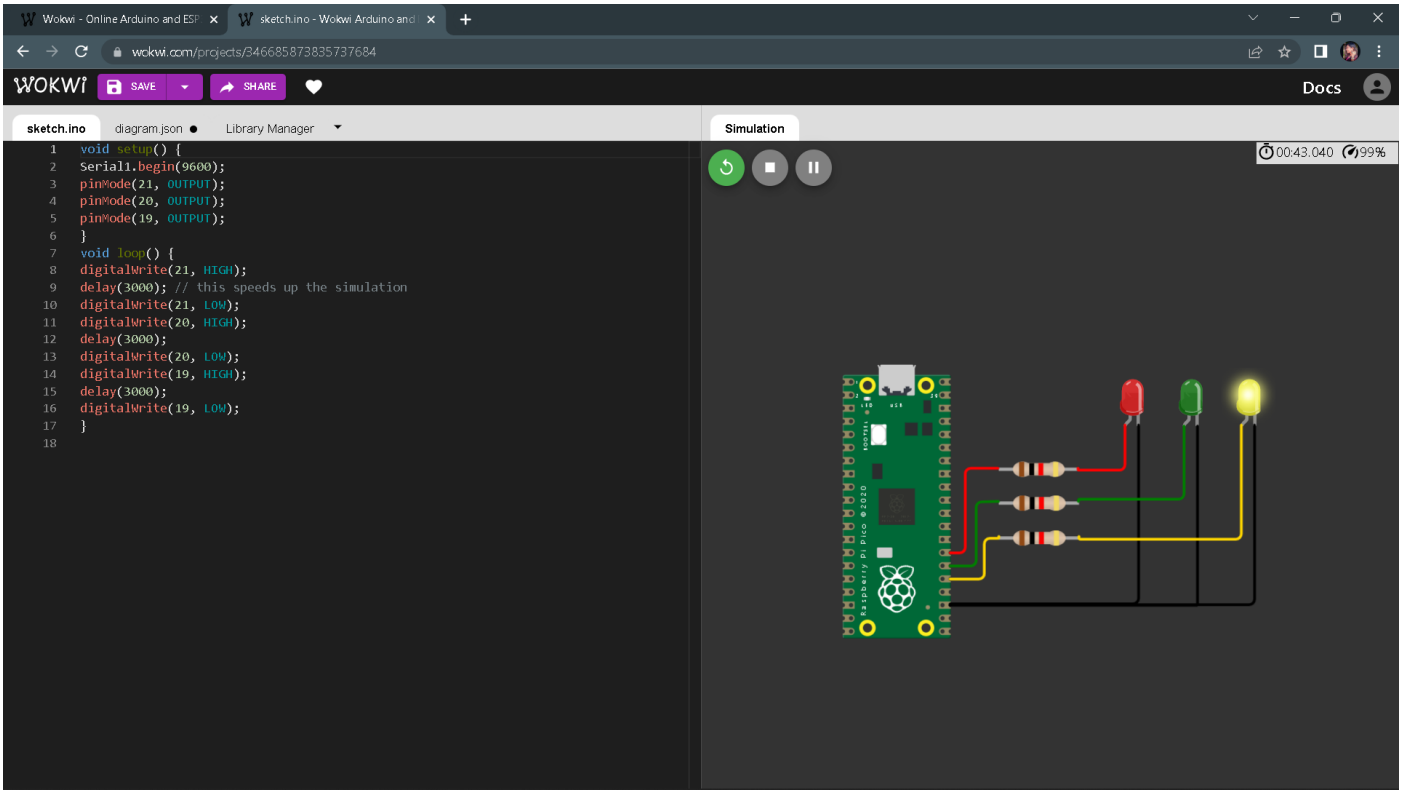
## (ii) GREEN LIGHT:




## (iii) YELLOW LIGHT:

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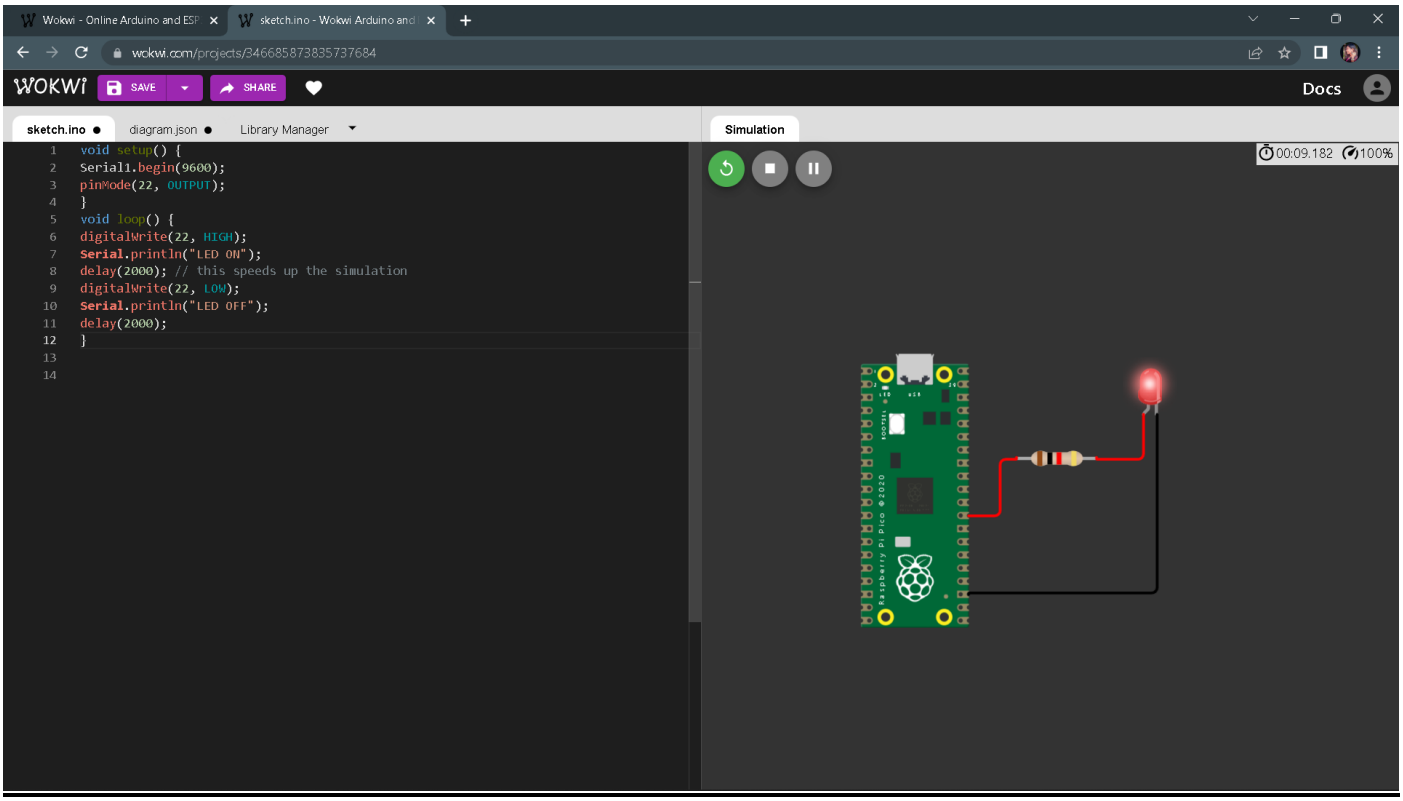
## BLINKING OF LED PROGRAM:

```
void setup() {
Serial1.begin(9600);
pinMode(22, OUTPUT);
}
void loop() {
digitalWrite(22, HIGH);
Serial.println("LED ON");
delay(2000); // this speeds up the simulation
digitalWrite(22, LOW);
Serial.println("LED OFF");
delay(2000);
}
```

## OUTPUT:

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