

## **ASSIGNMENT-3**

**Name: Mounica Manasa P**

**Reg no: 310119104051**

**College Name: Anand Institute of Higher Technology**

### **PROGRAM FOR TRAFFIC LIGHT**

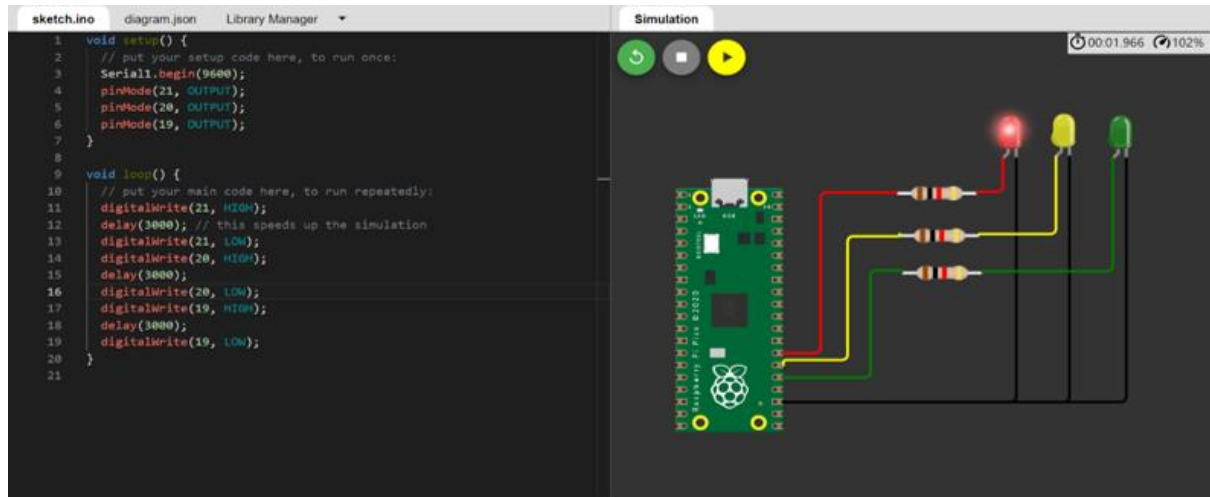
#### **Python Code:**

```
void setup() {  
    // put your setup code here, to run once:  
    Serial1.begin(9600);  
    pinMode(21, OUTPUT);  
    pinMode(20, OUTPUT);  
    pinMode(19, OUTPUT);  
}  
  
void loop() {  
    // put your main code here, to run repeatedly:  
    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);  
}
```

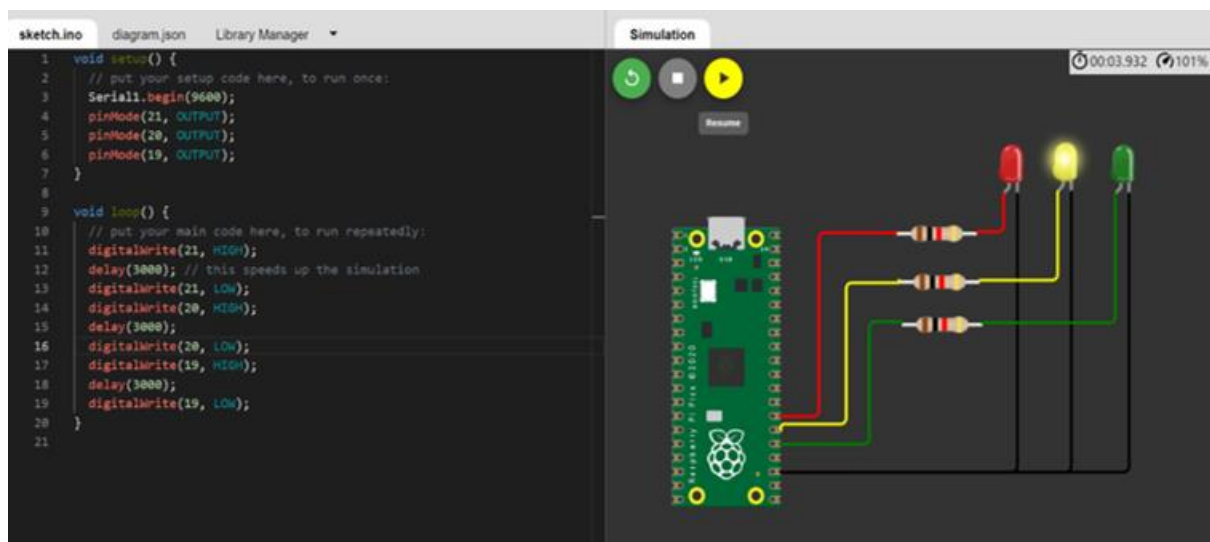
## OUTPUT:

### Traffic Lights For Raspberry Pi

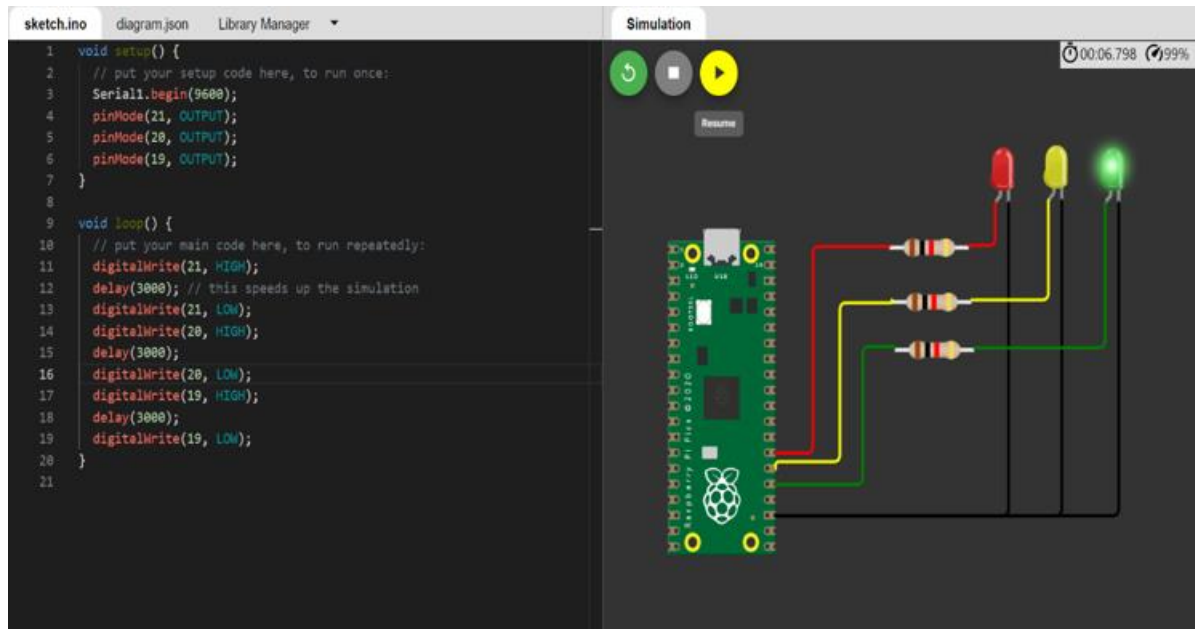
#### Blinking Red Light:



#### Blinking Yellow Light:



## Blinking Green Light:



## BLINKING LED

### PROGRAM FOR BLINKING LED

#### Python code

```
void setup() {  
    // put your setup code here, to run once:  
    Serial.begin(9600);  
    pinMode(22, OUTPUT);  
}  
  
void loop() {  
    // put your main code here, to run repeatedly:  
    digitalWrite(22, HIGH);  
    Serial.println("LED ON");  
    delay(2000);  
    digitalWrite(22, LOW);  
    Serial.println("LED OFF");  
    delay(2000);  
}
```

## Output:

### Blinking LED For Raspberry pi:

