# **ASSIGNMENT-3**

# NAME:SUGANESHWAREN REG.NO:7135919CEIT041

#### PROGRAM FOR TRAFFIC LIGHT

# **Python Code:**

```
voidsetup(){
 Serial1.begin(9600);
 pinMode(21,OUTPUT);
 pinMode(20,OUTPUT);
  pinMode(19,OUTPUT);
voidloop(){
 // 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);
```

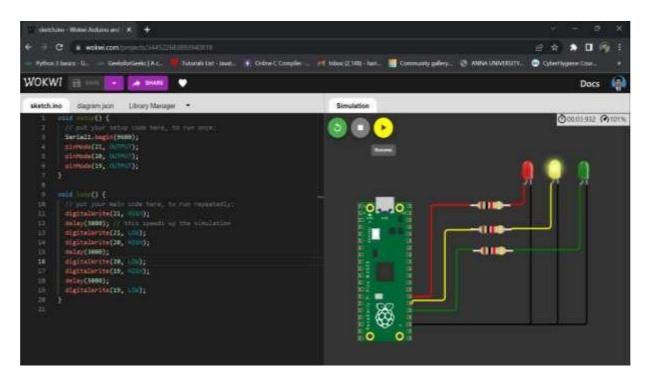
## **OUTPUT**:

**Traffic Lights For Raspberry Pi** 

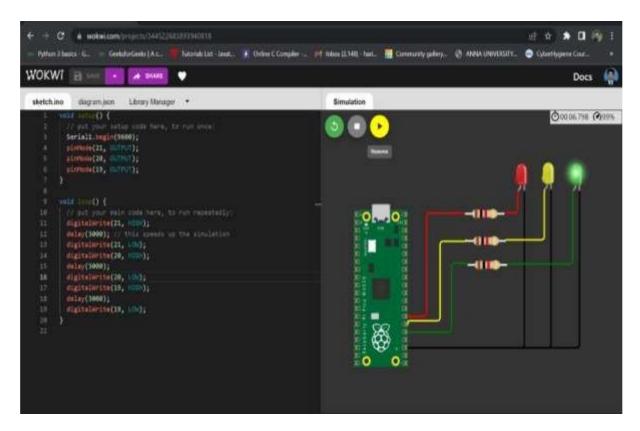
**Blinking Red Light:** 

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```

**Blinking Yellow Light:** 



**Blinking Green Light:** 



#### **BLINKING LED:**

### PROGRAM FOR BLINKING LED:

## Python code:

```
voidsetup(){
  // put your setup code here, to run once:
    Serial.begin(9600);
    pinMode(22,0UTPUT);
}

voidloop(){
    // 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:**

