

Assignment Date: 29-09-2022

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Maximum Marks: 2Marks

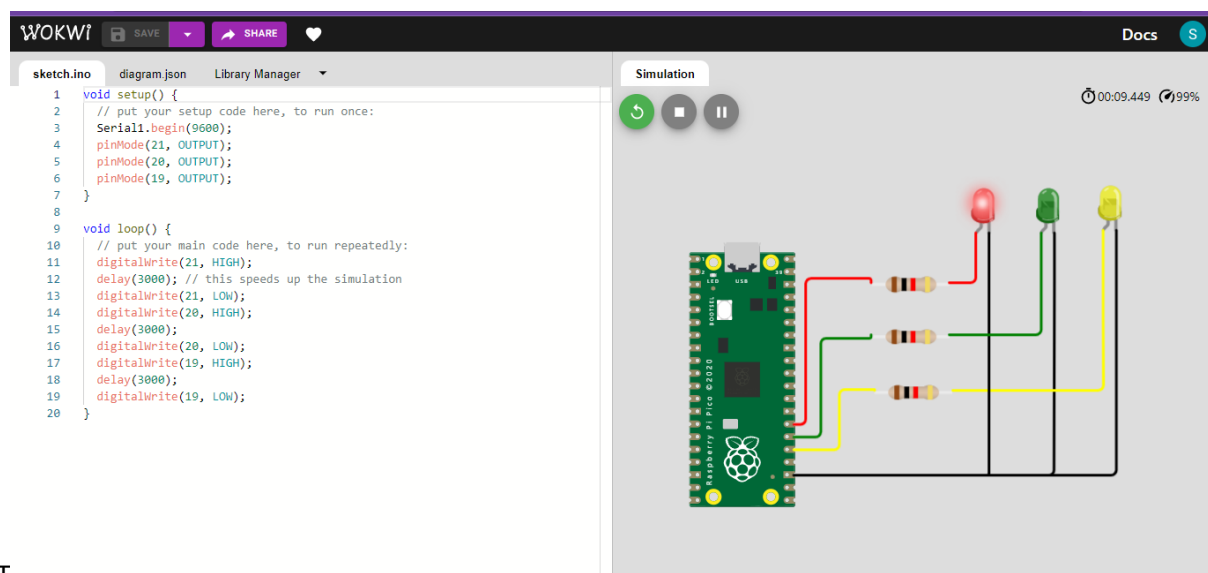
Question:

1. Write A Python Code For Traffic Lights For Raspberry Pi.

Code:

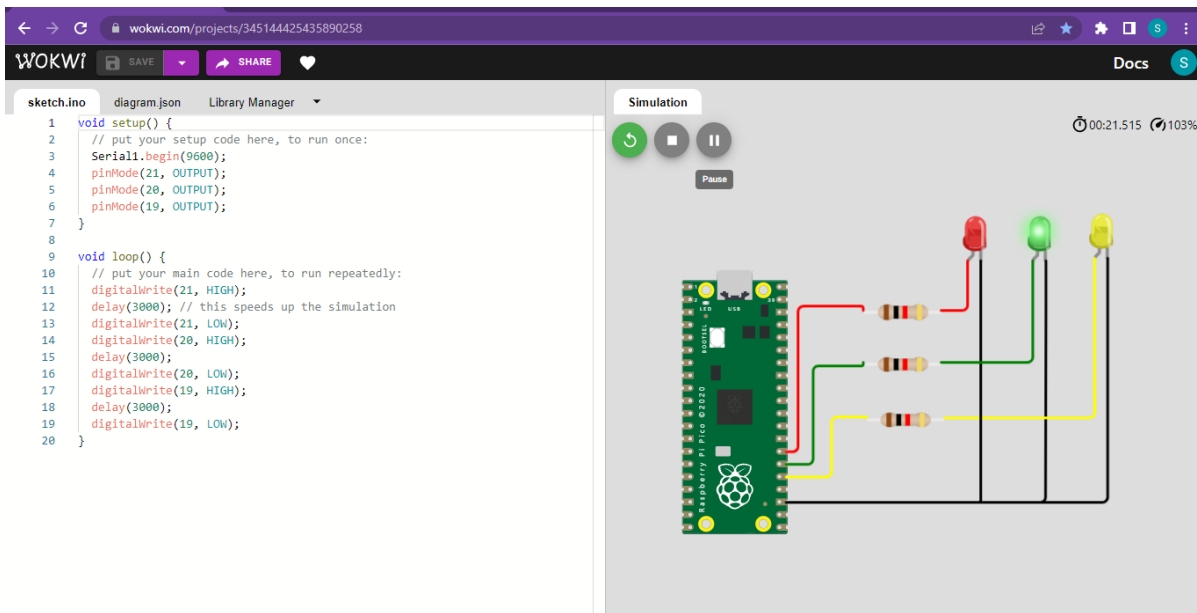
```
void setup() {  
    Serial1.begin(9600);  
    pinMode(21, OUTPUT);  
    pinMode(20, OUTPUT);  
    pinMode(19, OUTPUT);  
}  
  
void loop() {  
    digitalWrite(21, HIGH);  
    delay(3000); // this speeds up the simulation  
    digitalWrite(21, LOW);  
    digitalWrite(20, HIGH);  
    delay(3000);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

OUTPUT:

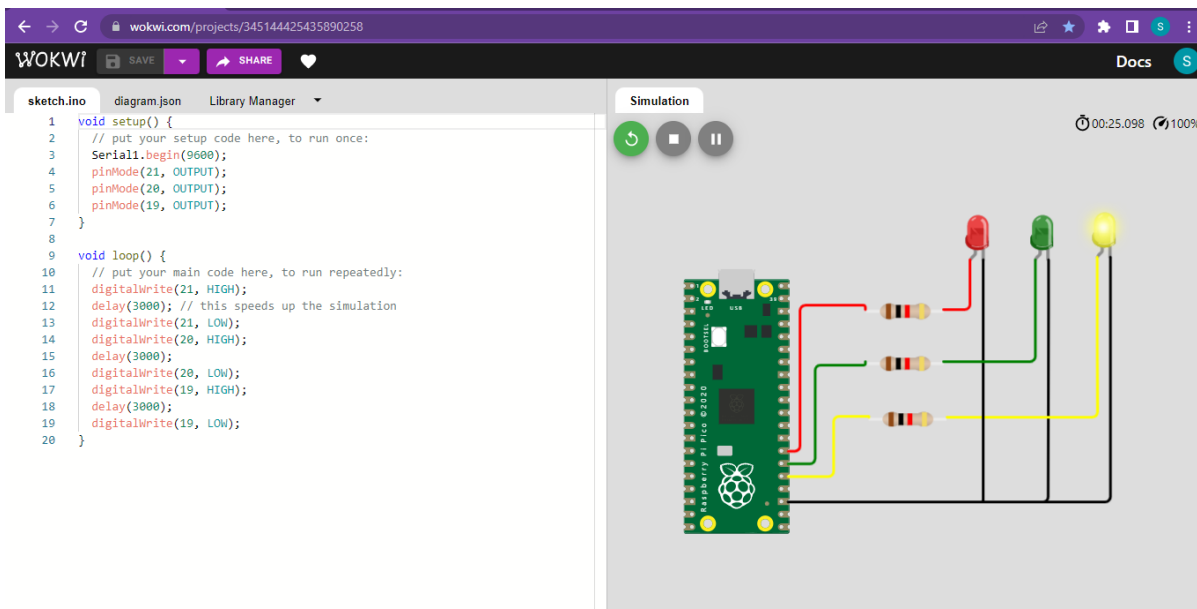


RED LIGHT

❖ GREEN LIGHT



❖ YELLOW LIGHT



2. Write A Python Code For Blinking Led For Raspberry Pi.

Code:

```
void setup() {  
  
    // put your setup code here, to run once: Serial1.begin(9600);  
  
    pinMode(22, OUTPUT);  
  
}  
  
void loop() {  
  
    // put your main code here, to run repeatedly:  
  
    digitalWrite(22, HIGH);  

```

```
Serial.println("LED ON");

delay(2000); // this speeds up the simulation

digitalWrite(22, LOW);

Serial.println("LED OFF");

delay(2000);

}
```

