ASSIGNMENT-3

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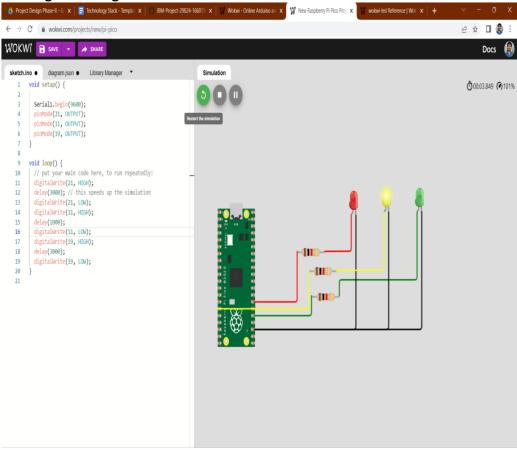
PROGRAM FOR TRAFFIC LIGHT

```
Python Code:
void setup() {
Serial1.begin(9600);
pinMode(21, OUTPUT);
pinMode(11, OUTPUT);
pinMode(19, OUTPUT);
}
void loop() {
digitalWrite(21, HIGH);
delay(3000);
digitalWrite(21, LOW);
digitalWrite(11, HIGH);
delay(1000);
digitalWrite(11, LOW);
digitalWrite(19, HIGH);
delay(3000);
digitalWrite(19, LOW);
}
```

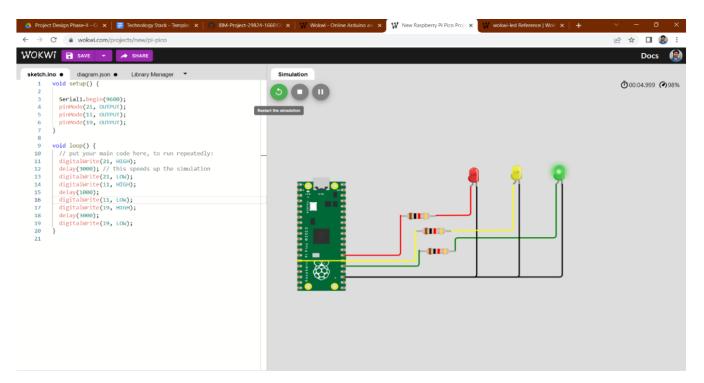
OUTPUT: Traffic Lights For Raspberry Pi Blinking Red Light:



Blinking Yellow Light:



Blinking Green Light:



BLINKING LED:

PROGRAM FOR BLINKING

LED:

Python code:

void setup() {

```
Serial1.begin(9600);
pinMode(22, OUTPUT);
}
void loop() {
digitalWrite(22, HIGH);
Serial.println("LED ON");
delay(1000);
digitalWrite(22, LOW);
Serial.println("LED OFF");
delay(1000);
}
Output:
```

Blinking LED For Raspberry pi:

