ASSIGNMENT-3

Name: Rani J

Reg no: 713519CEIT029

PROGRAM FOR TRAFFIC LIGHT

Python Code:

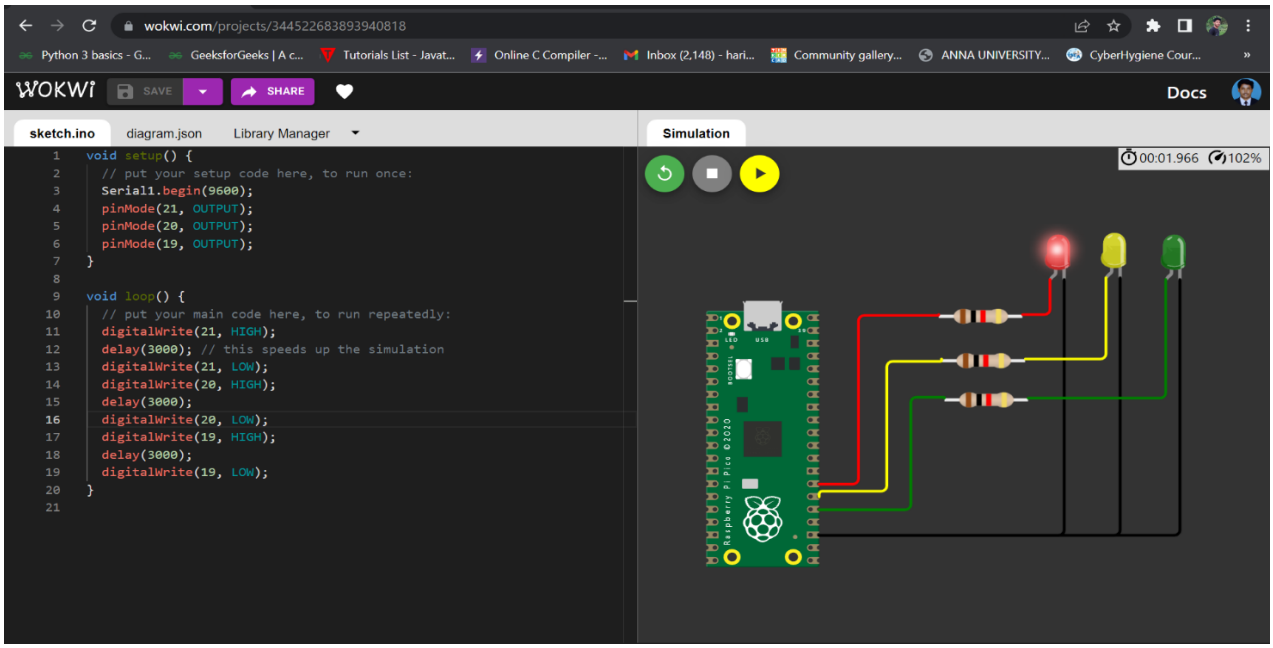
```
void setup() {
  // put your setup code here, to run once:
  Serial1.begin(9600);
  pinMode(21, OUTPUT);
  pinMode(20, OUTPUT);
  pinMode(19, OUTPUT);
}

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);
}
```

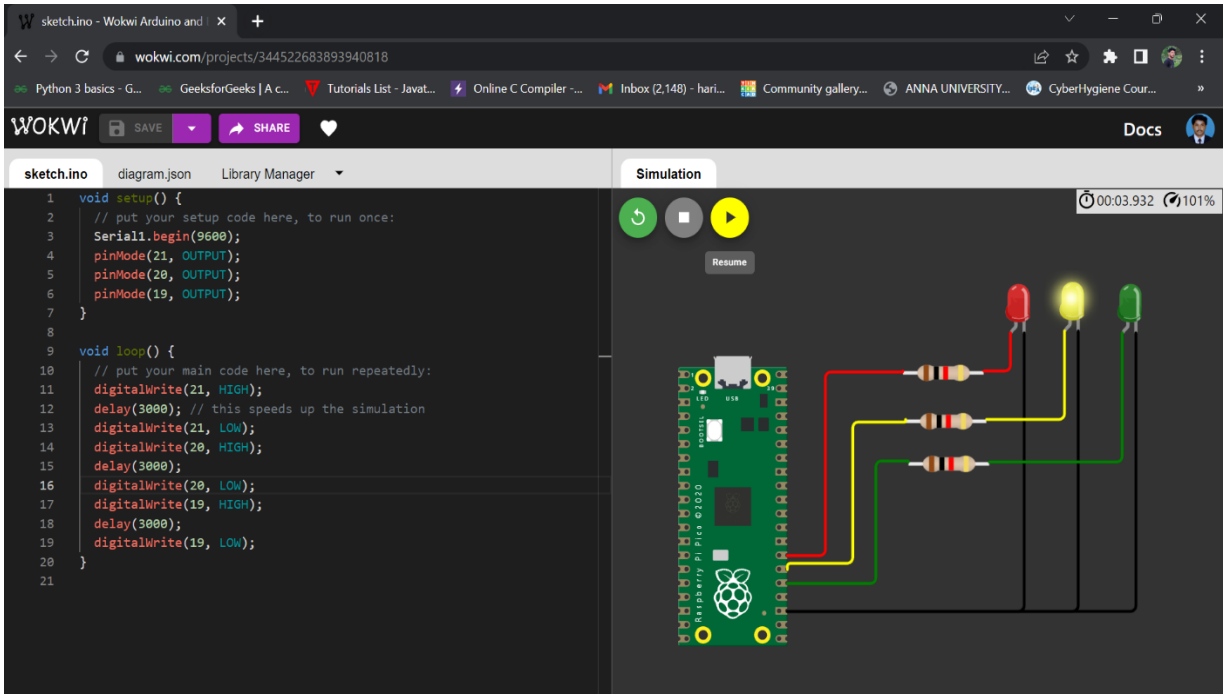
OUTPUT:

Traffic Lights For Raspberry Pi

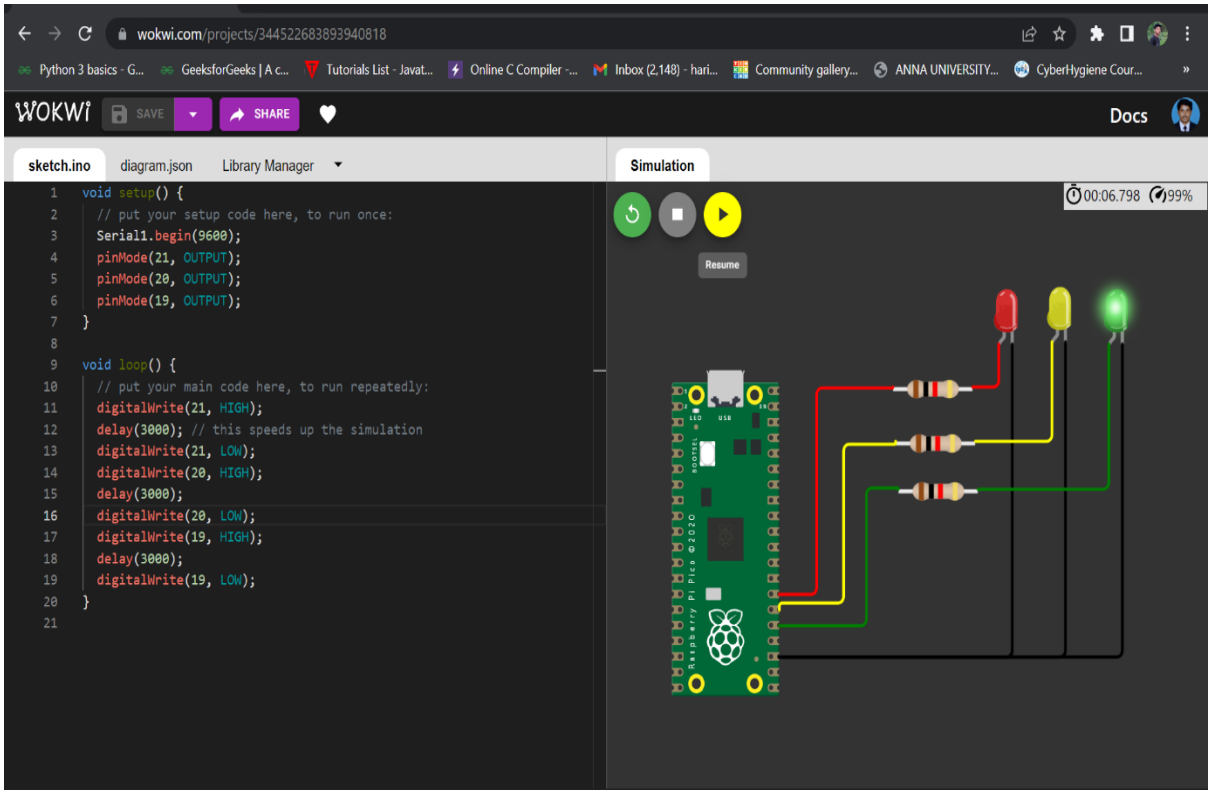
Blinking Red Light:



Blinking Yellow Light:



Blinking Green Light:



BLINKING LED:

PROGRAM FOR BLINKING LED:

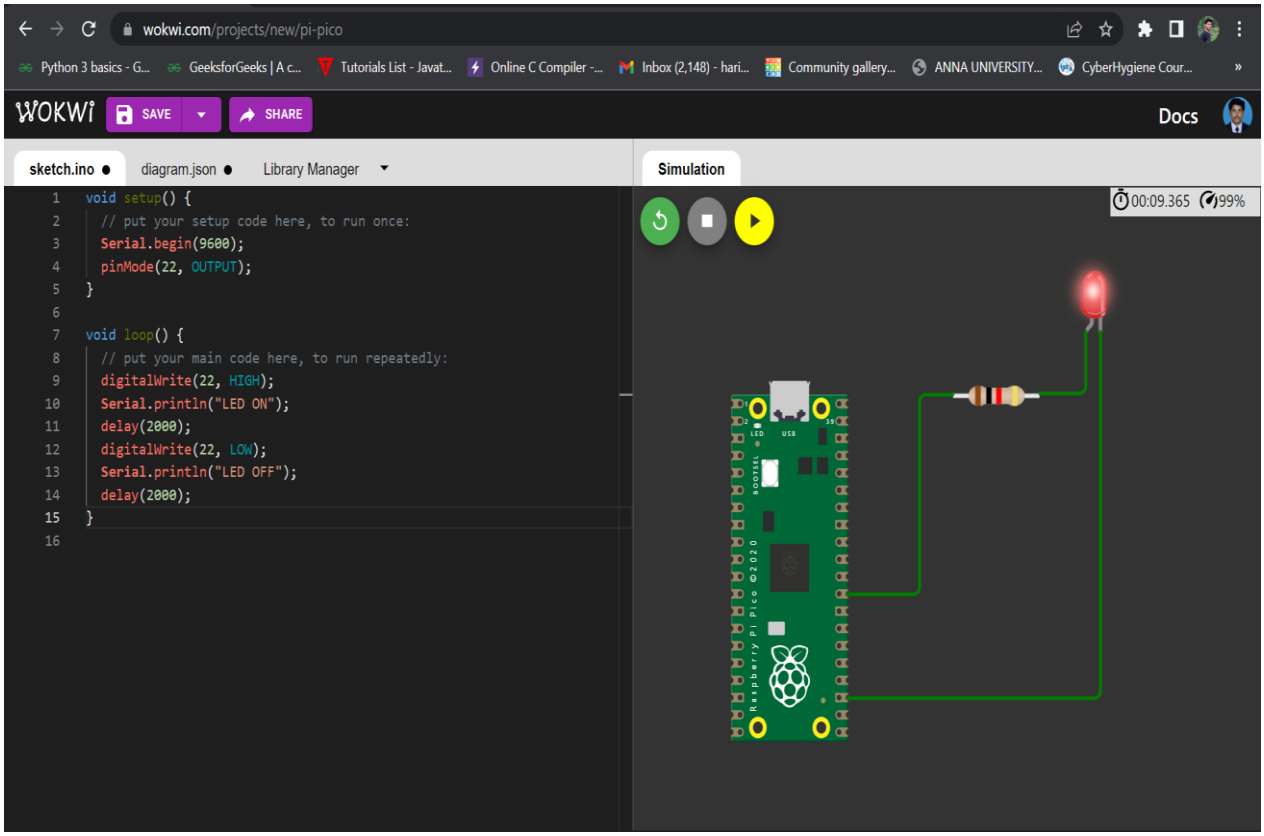
Python code:

```
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:


wokwi.com/projects/new/pi-pico
Python 3 basics - G...
GeeksforGeeks | A c...
Tutorials List - Javat...
Online C Compiler -...
Inbox (2,148) - hari...
Community gallery...
ANNA UNIVERSITY...
CyberHygiene Cour...
WOKWI
SAVE
SHARE
Docs
sketch.ino
diagram.json
Library Manager
Simulation
00:09.365
99%
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);
}