EXCEL ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY

IOT ASSIGNMENT -3

SMART SOLUTION FOR RAILWAYS

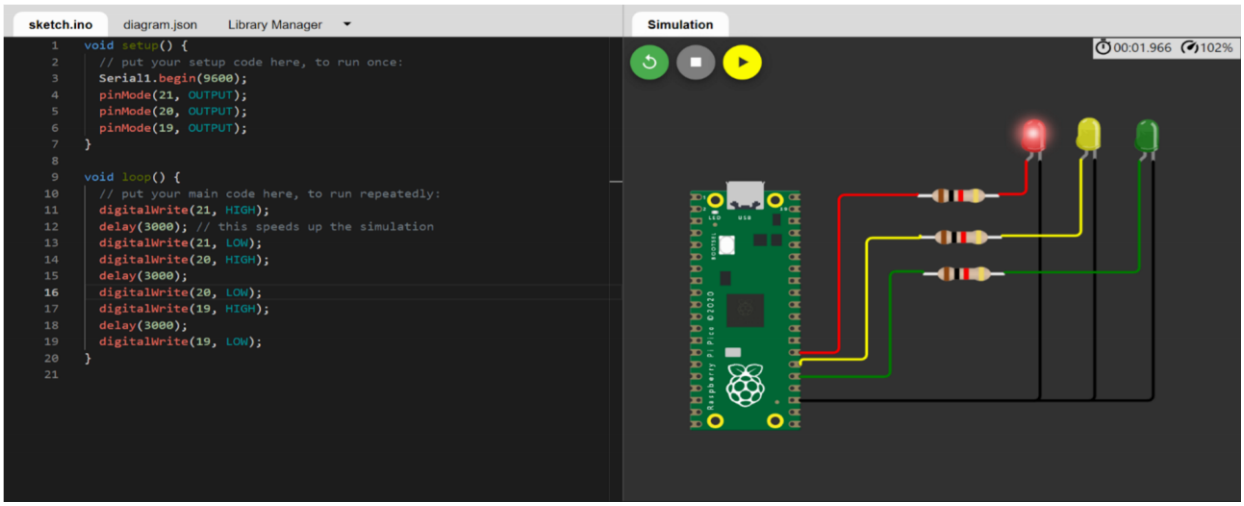
Python Code:

```
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);
}
```

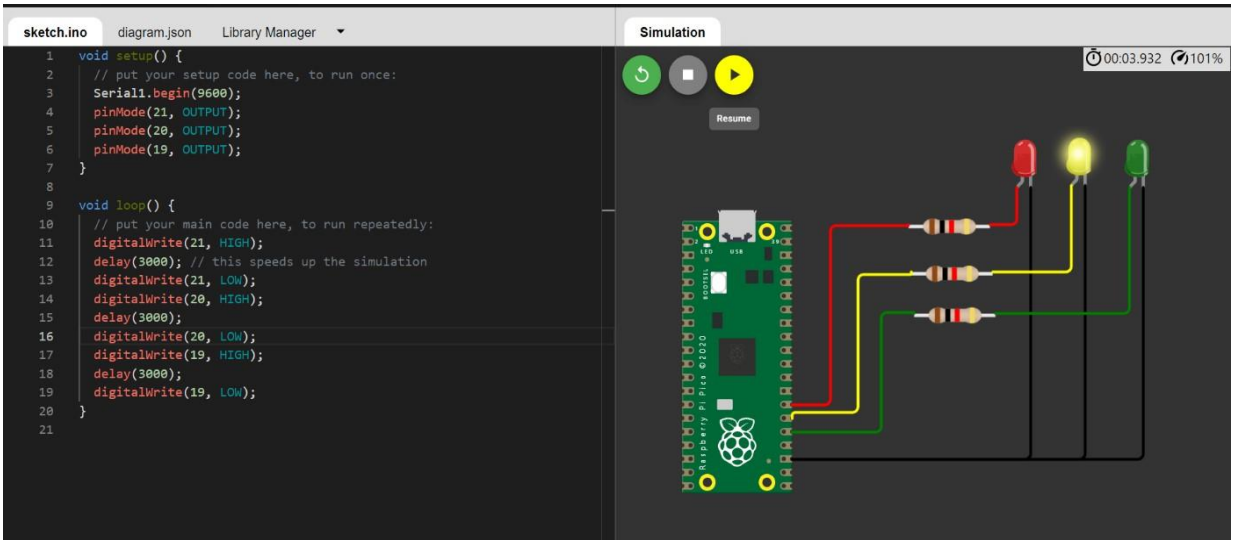
OUTPUT:

Traffic Lights For Raspberry Pi Blinking

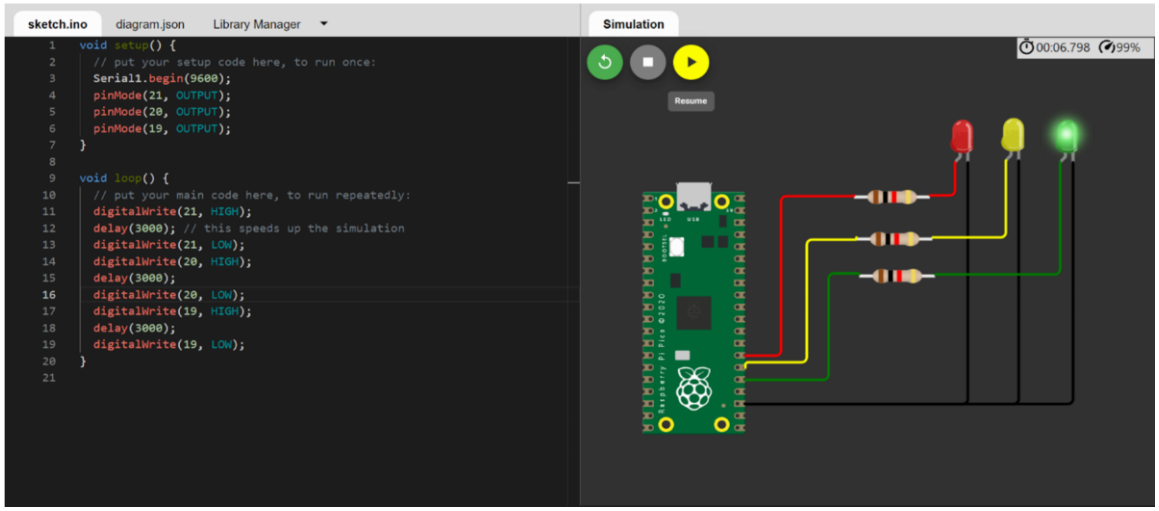
Red Light:



Blinking Yellow Light:



Blinking Green Light:



<u>BLINKING LED</u>:

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: