ASSIGNMENT-3

DOMAIN   :IOT

NAME   : R.Pragathesh

REGISTERNUMBER   :714019106074

COLLEGE :SRI SHAKTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
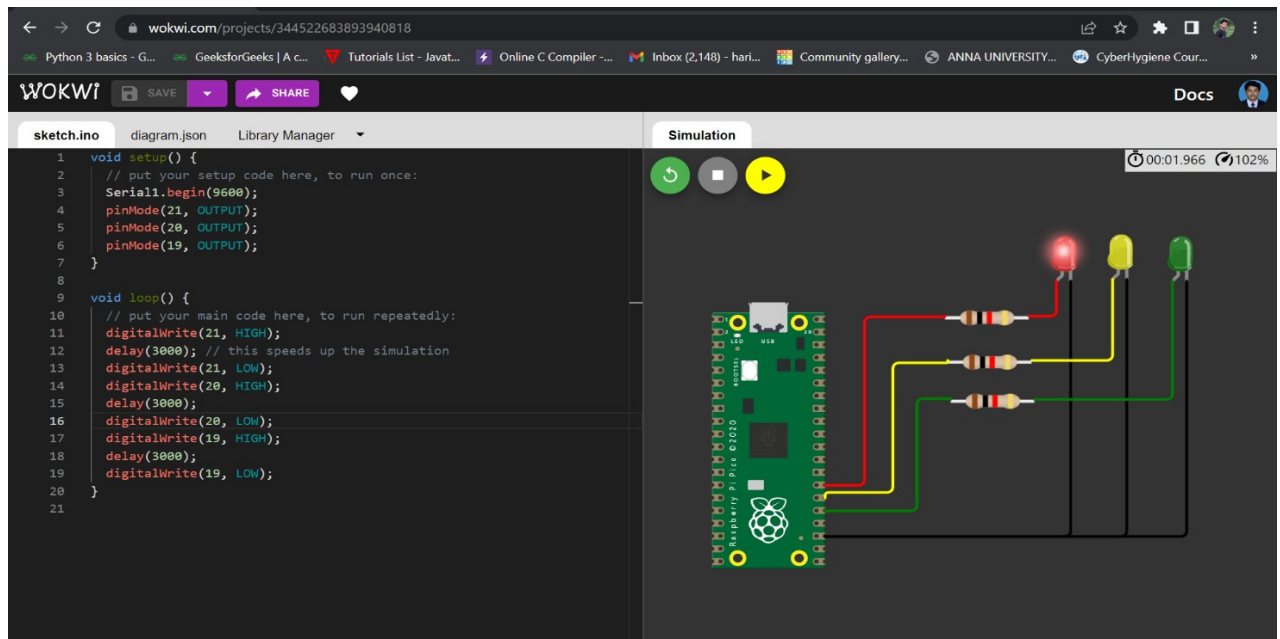
PROGRAMFORTRAFFICLIGHT

PythonCode:

```
voidsetup(){
  //putyoursetupcodehere,torunonce:Serial1.begin
  (9600);
  pinMode(21,
  OUTPUT);pinMode(20,
  OUTPUT);pinMode(19,O
  UTPUT);
}

voidloop(){
  //putyourmaincodehere,torunrepeatedly:digitalWrite(2
  1,HIGH);
  delay(3000);//thisspeedsupthesimulationdigitalWrite(
  21,LOW);
  digitalWrite(20,HIGH);delay(
  3000);digitalWrite(20,
  LOW);digitalWrite(19,HIGH);
  delay(3000);digitalWrite(19,
  LOW);
}
```
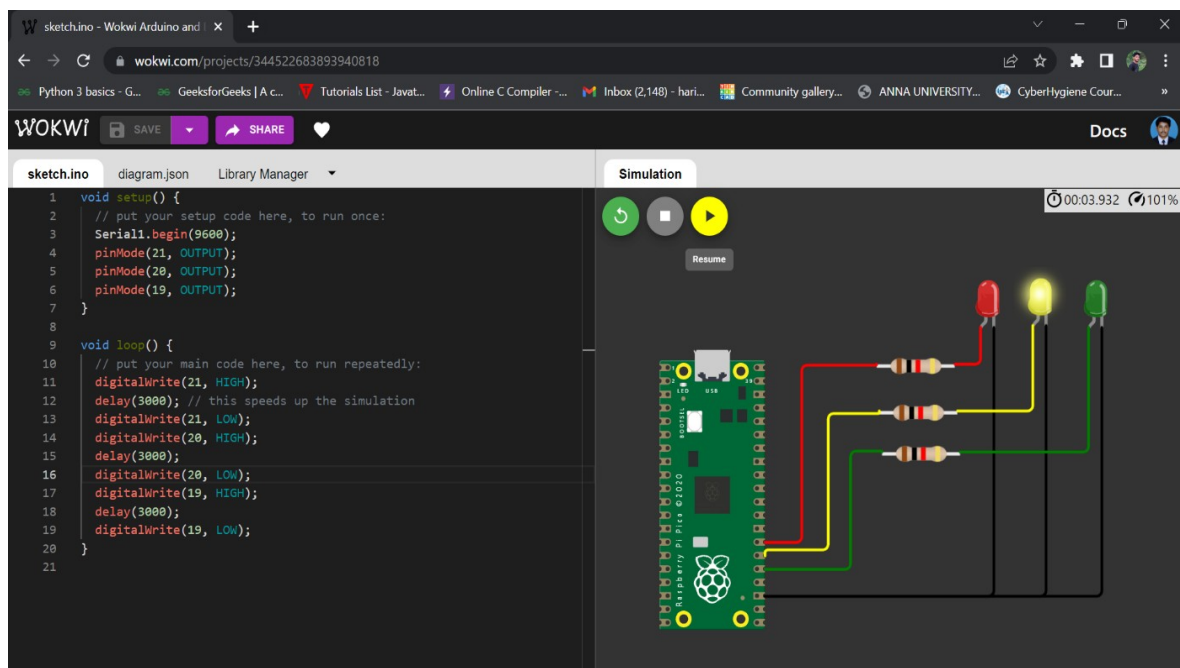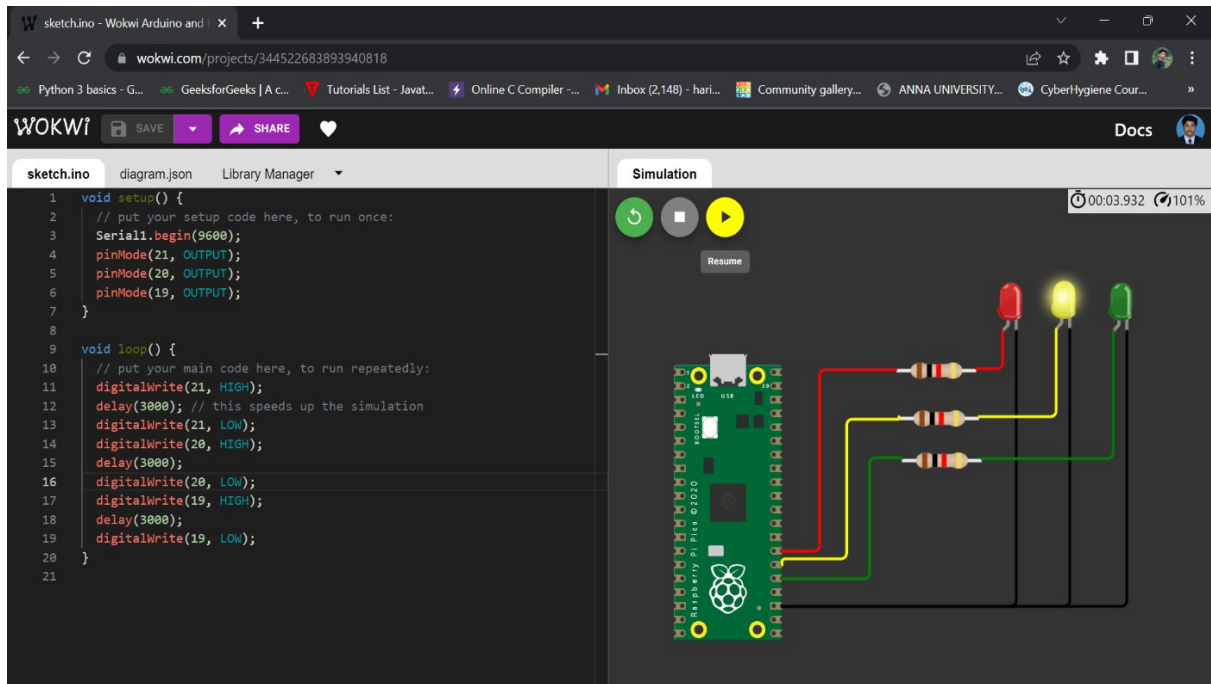
OUTPUT:

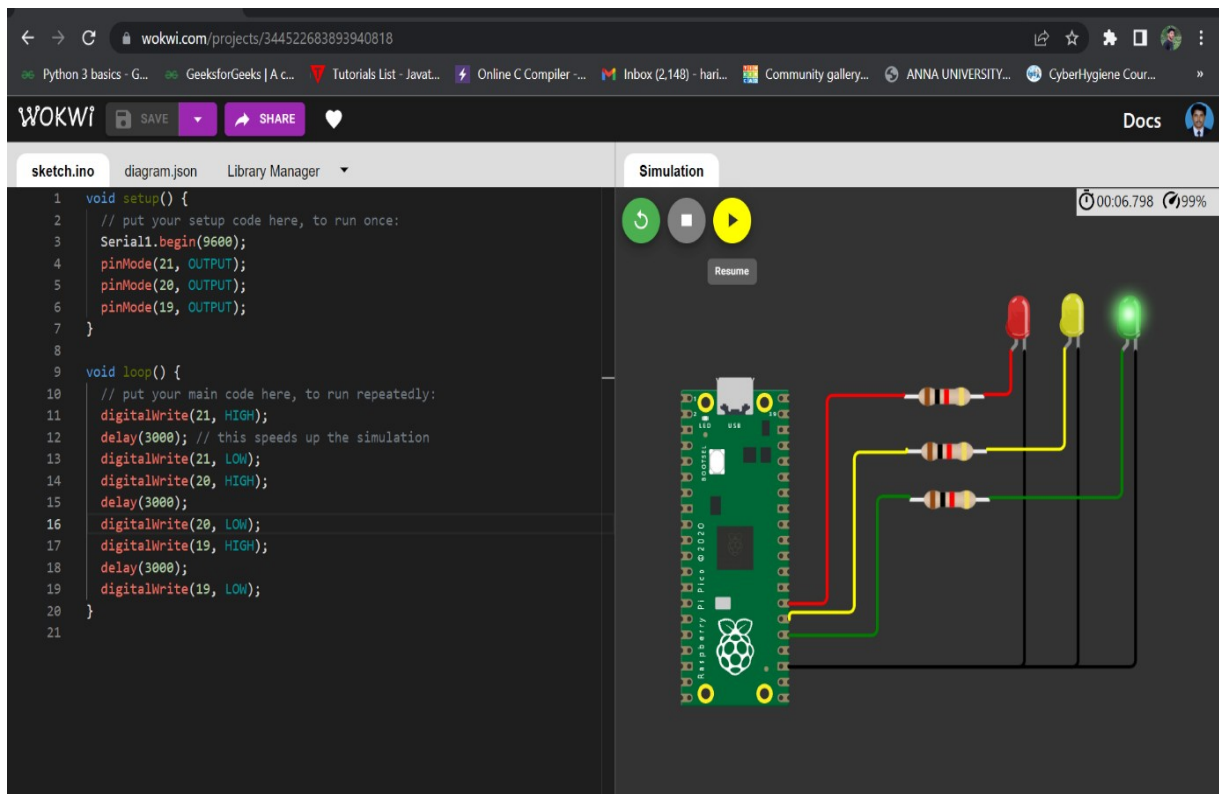TrafficLightsForRaspberryPiBlinking

RedLight:

BlinkingYellowLight:

BlinkingGreenLight:

BLINKINGLED:

PROGRAMFORBLINKINGLED

Pythoncode:

```
void setup(){
  //putyoursetupcodehere,torunonce:
  Serial.begin(9600);pinMode
  (22,OUTPUT);
}

void loop(){
  //putyourmaincodehere,torunrepeatedly:digitalWrite(2
  2,HIGH);
  Serial.println("LED
  ON");delay(2000);digitalWrite(2
  2,
  LOW);Serial.println("LEDOFF");d
  elay(2000);
}
```

Output:

BlinkingLEDForRaspberrypi: