

ASSIGNMENT-3

DOMAIN

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T

NAME.

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PROGRAMFORTRAFFICLIGHT

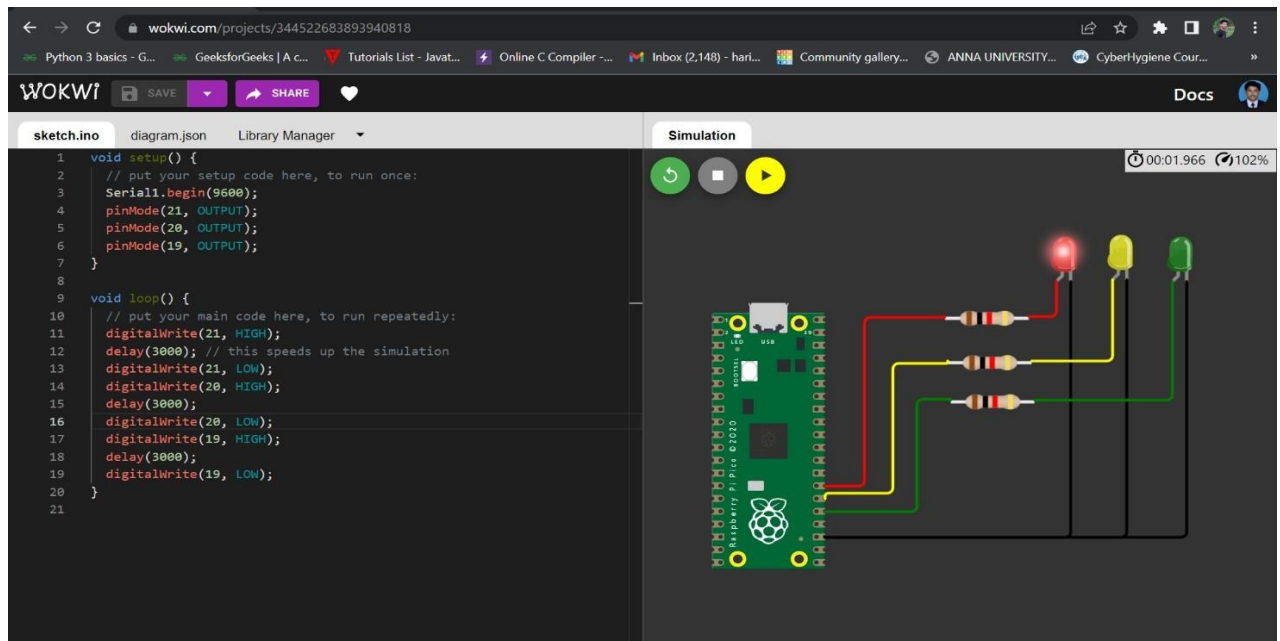
PythonCode:

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

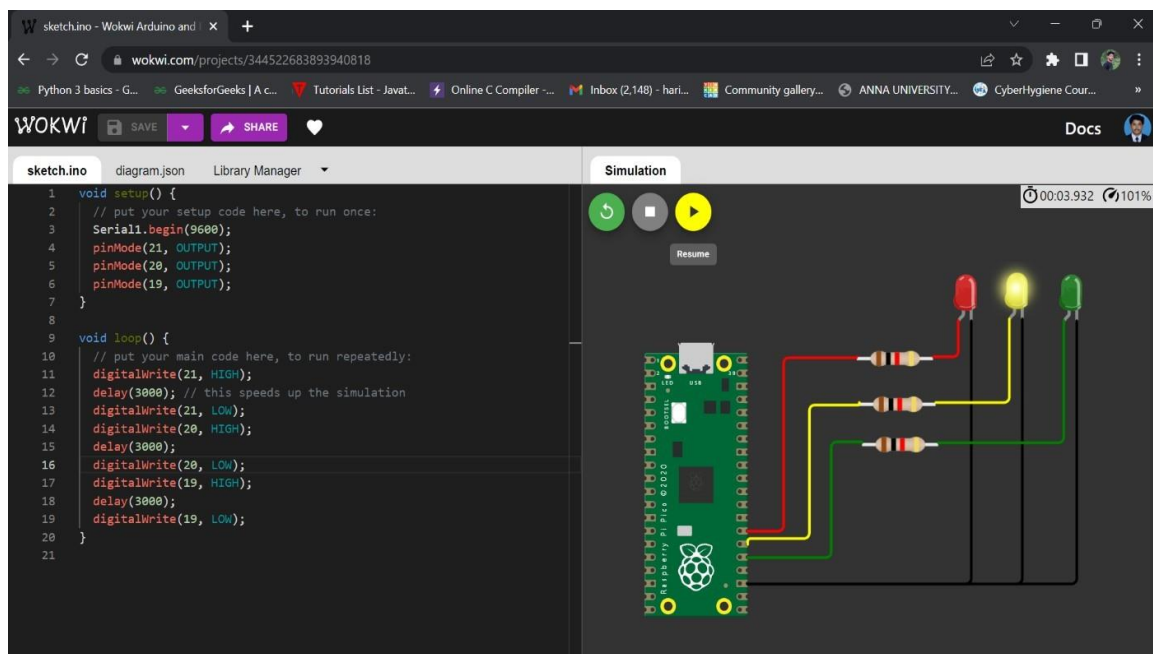
void loop(){
    //put your main code here, to run repeatedly: digitalWrite(2
    1,HIGH);
    delay(3000); //this speeds up the simulation digitalWrite(
    21,LOW);
    digitalWrite(20,HIGH);delay(
    3000);digitalWrite(20,
    LOW);digitalWrite(19,HIGH);
    delay(3000);digitalWrite(19,
    LOW);
}
```

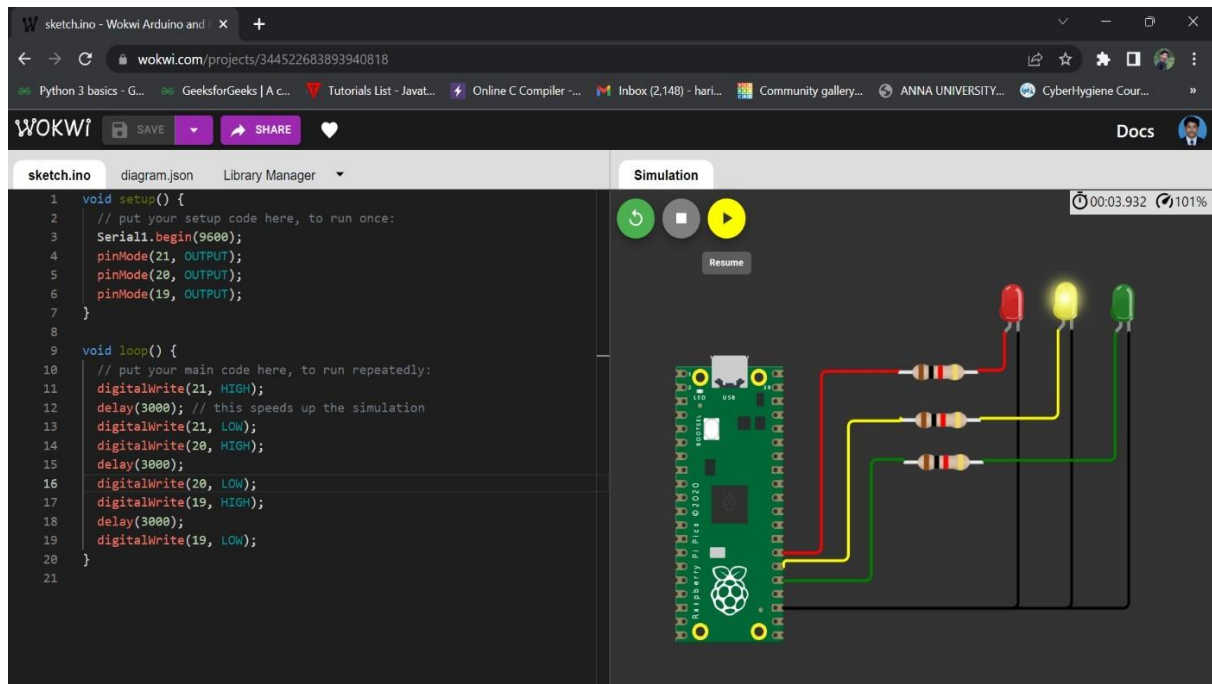
OUTPUT:

TrafficLightsForRaspberryPiBlinking RedLight:

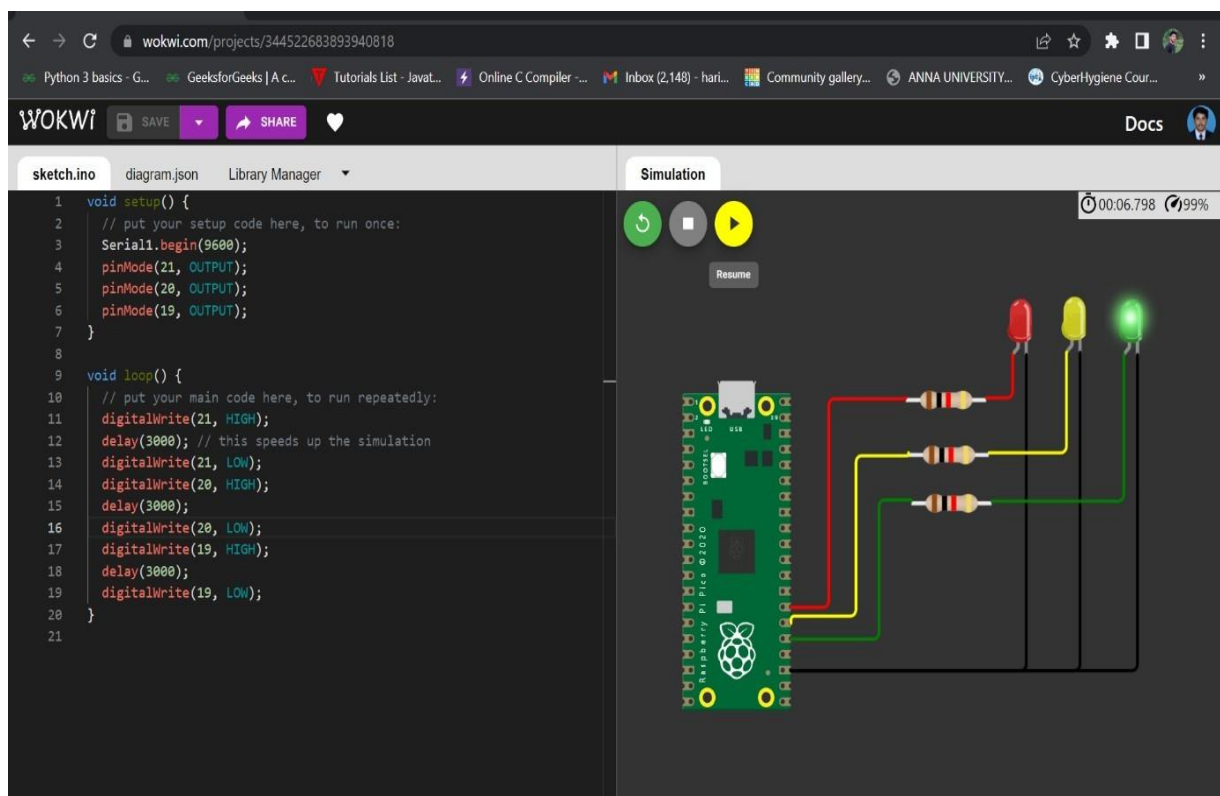


BlinkingYellowLight:





BlinkingGreenLight:



BLINKINGLED:

PROGRAMFORBLINKINGLED

Pythoncode:

```
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(2
  2,HIGH);
  Serial.println("LED
  ON");delay(2000);digitalWrite(2
  2,
  LOW);Serial.println("LEDOFF");d
  elay(2000);
  Serial
}
```

Output: BlinkingLEDForRaspberrypi:

