

## ASSIGNMENT-3

DOMAIN : IOT

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### PROGRAM FOR TRAFFIC LIGHT

#### Python Code:

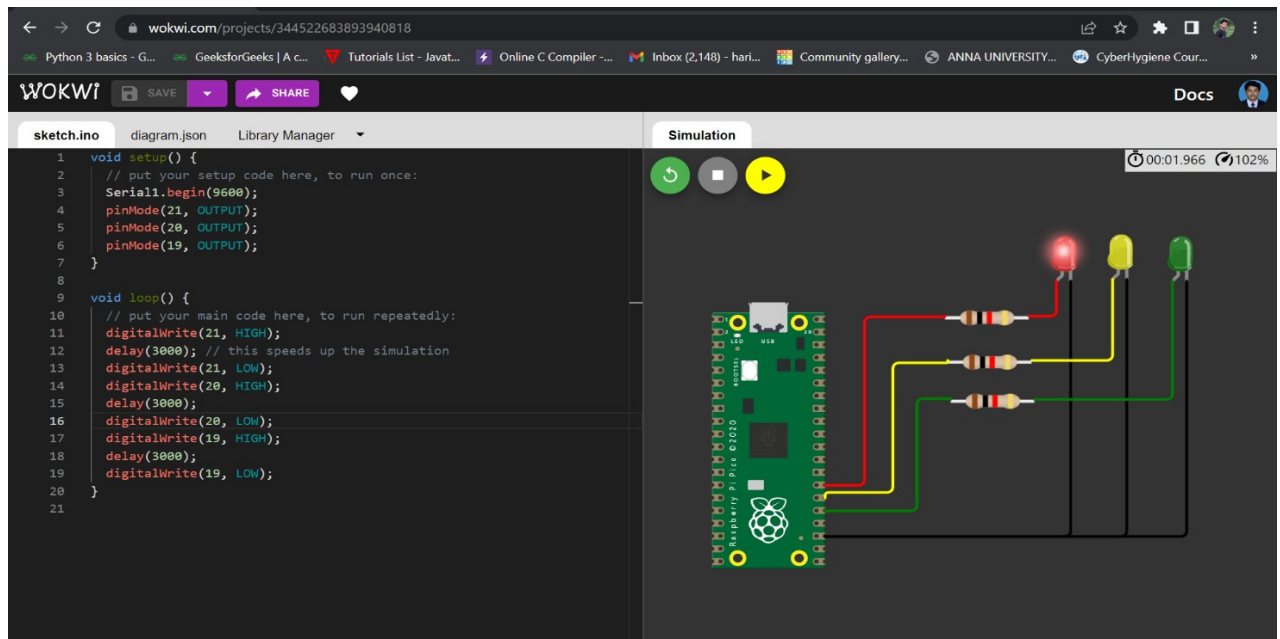
```
void setup(){
  //put your setup code here, to run once: Serial1.begin
  (9600);
  pinMode(21,
  OUTPUT);pinMode(20,
  OUTPUT);pinMode(19,0
  UTPUT);
}

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);
}
```

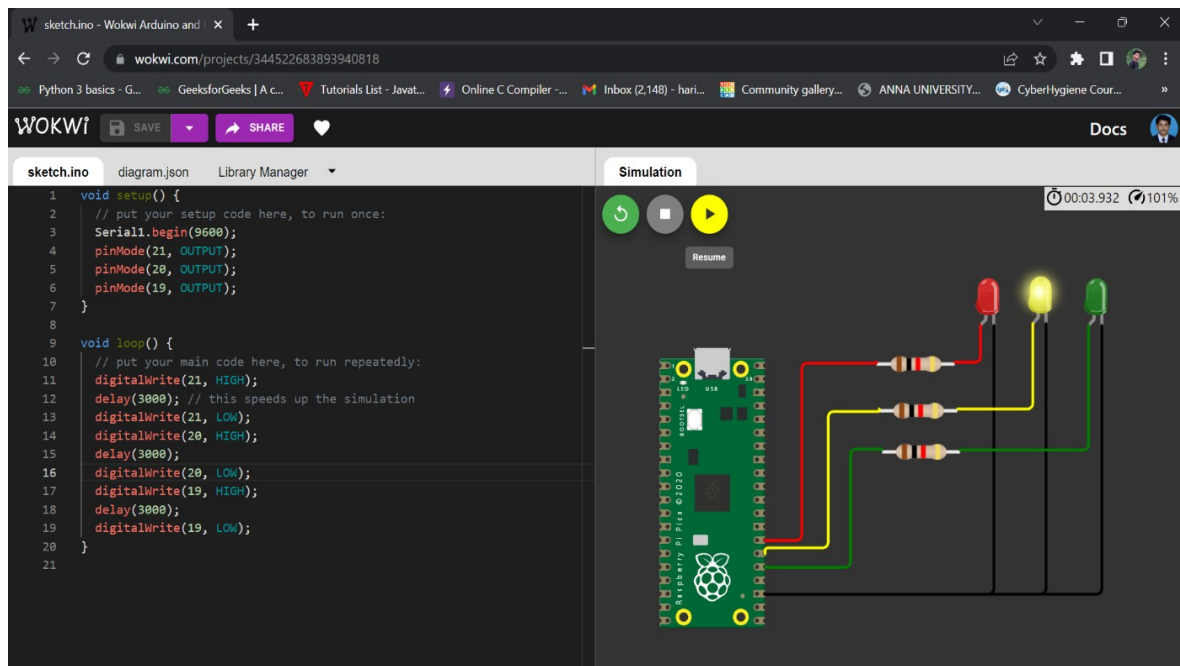
# OUTPUT:

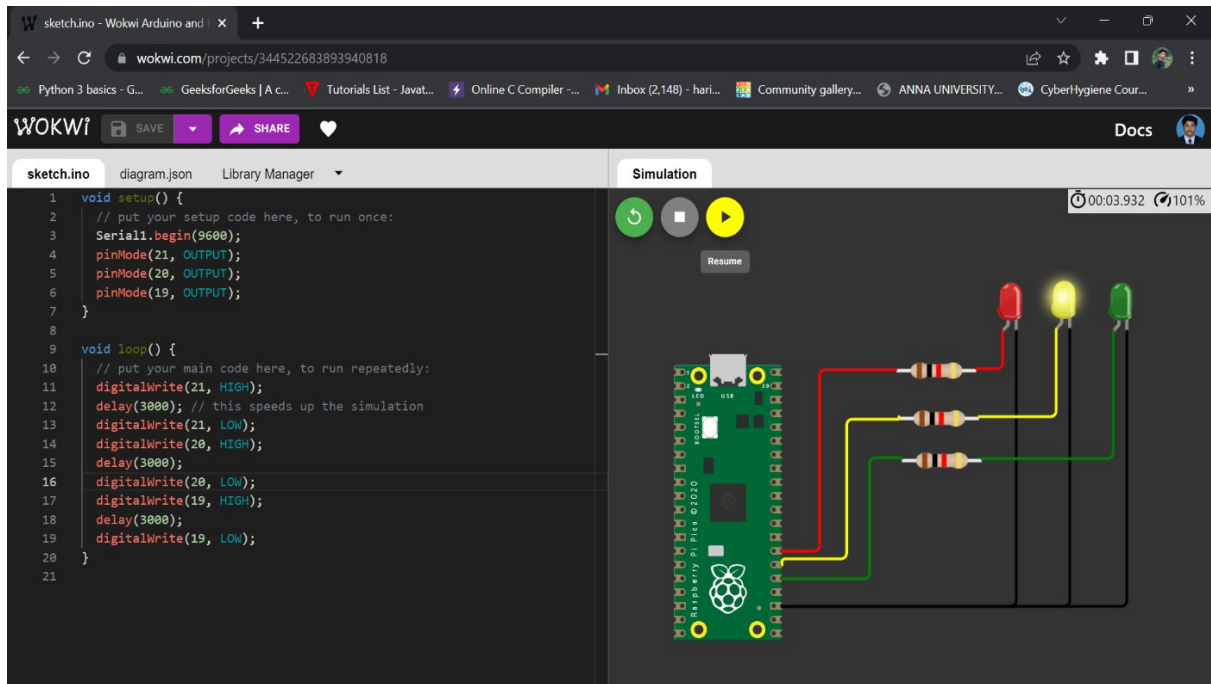
## TrafficLightsForRaspberryPiBlinking

### RedLight:

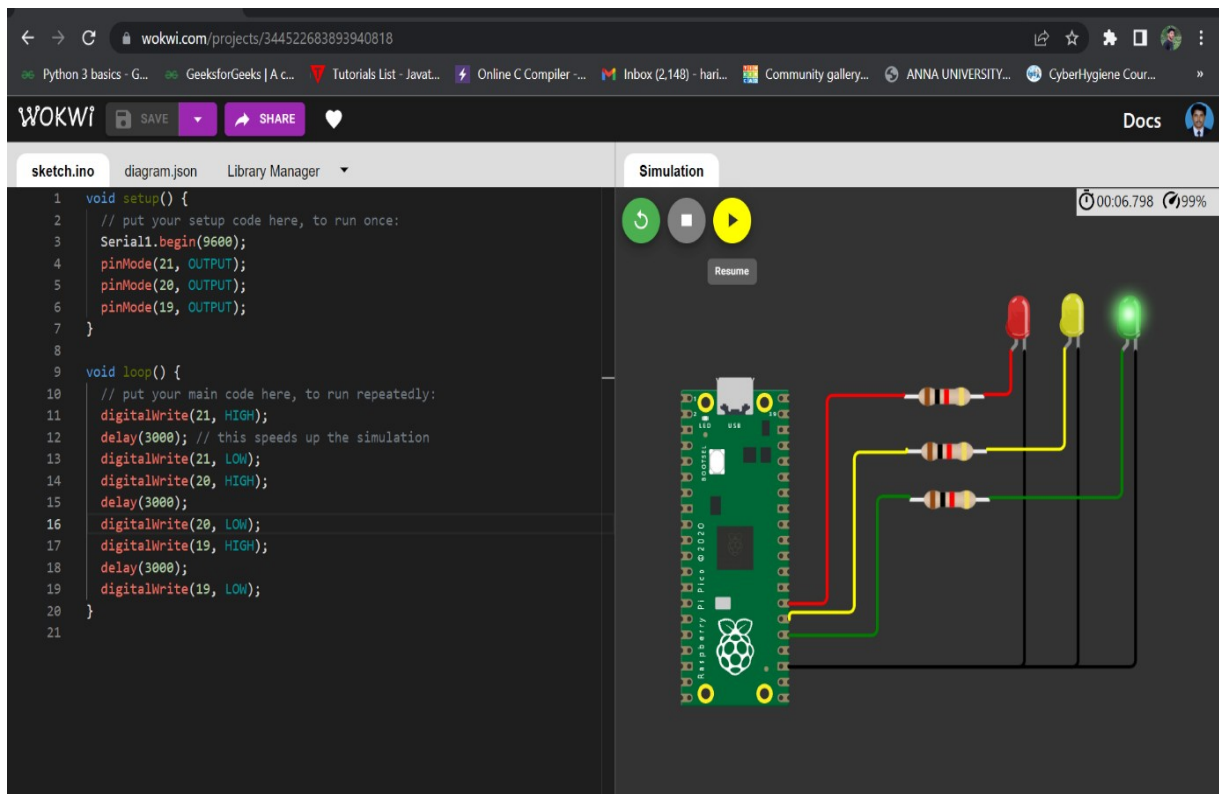


### BlinkingYellowLight:





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("LED OFF"); d
  elay(2000);
}
```

Output:

Blinking LED For Raspberry pi:

