ASSIGNMENT 3

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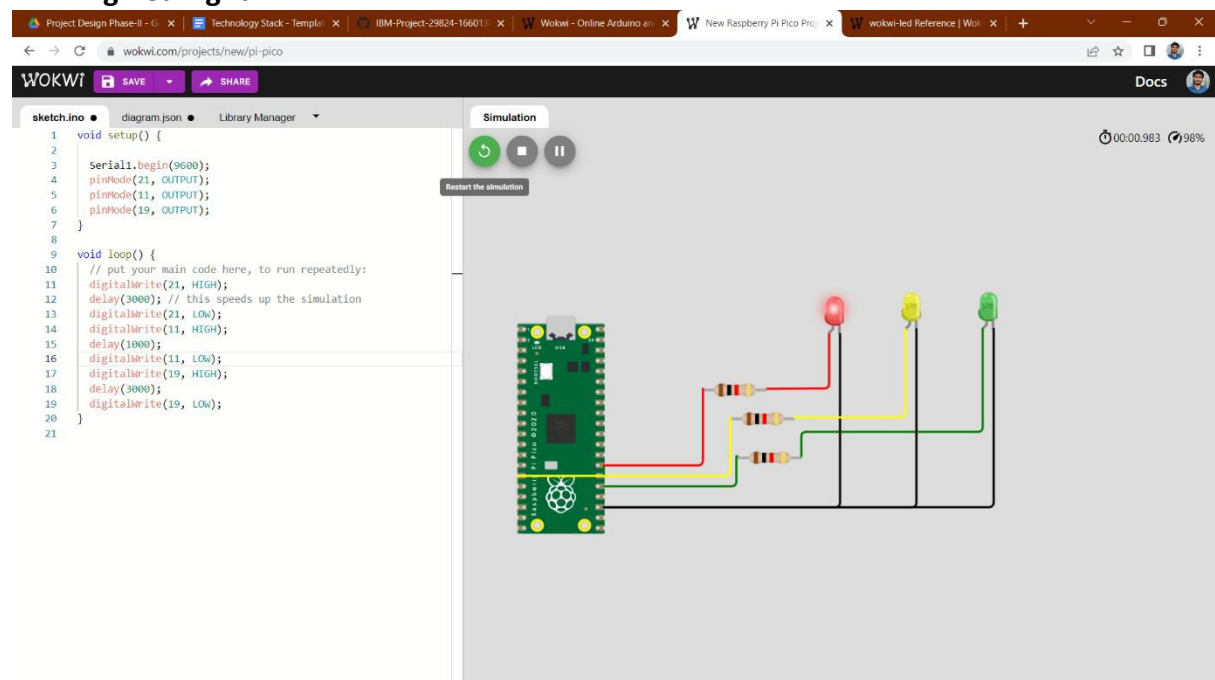
PROGRAM FOR TRAFFIC LIGHT

Python Code:

```
void setup() {

  Serial1.begin(9600);
  pinMode(21, OUTPUT);
  pinMode(11, OUTPUT);
  pinMode(19, OUTPUT);
}

void loop() {

  digitalWrite(21, HIGH);
  delay(3000);
  digitalWrite(21, LOW);
  digitalWrite(11, HIGH);
  delay(1000);
  digitalWrite(11, 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() {

  Serial1.begin(9600);
   pinMode(22, OUTPUT);
}

void loop() {
  digitalWrite(22, HIGH);
  Serial.println("LED ON");
  delay(1000);
  digitalWrite(22, LOW);
  Serial.println("LED OFF");
  delay(1000);
}
```

Output:

Blinking LED For Raspberry pi: