**IBM PROJECT**

**ASSIGNMENT-3**

BATCH:8

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**PROGRAM FOR TRAFFIC LIGHT:**

void setup() {

Serial1.begin(9600);

pinMode(21, OUTPUT);

pinMode(20, OUTPUT);

pinMode(19, OUTPUT);

}

void loop() {

digitalWrite(21, HIGH);

delay(3000);

digitalWrite(21, LOW);

digitalWrite(20, HIGH);

delay(3000);

digitalWrite(20, LOW);

digitalWrite(19, HIGH);

delay(3000);

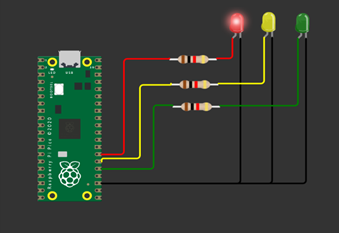
digitalWrite(19, LOW);

}

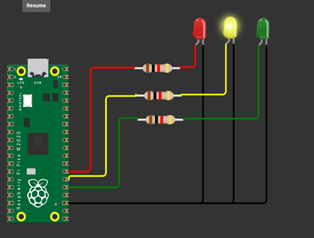
**OUTPUT:**

**Traffic Lights For Raspberry Pi**

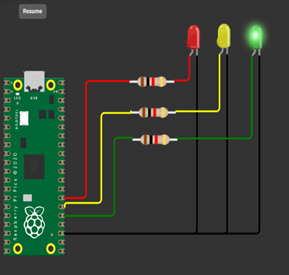
**Blinking Red Light:**



**Blinking Yellow Light:**



**Blinking Green Light:**



**BLINKING LED:**

**PROGRAM FOR BLINKING LED:**

**Python code:**

void setup() {

Serial.begin(9600);

pinMode(22, OUTPUT);

}

void loop() {

digitalWrite(22, HIGH);

Serial.println("LED ON");

delay(2000);

digitalWrite(22, LOW);

Serial.println("LED OFF");

delay(2000);

}

**Output:**

**Blinking LED For Raspberry pi:**

