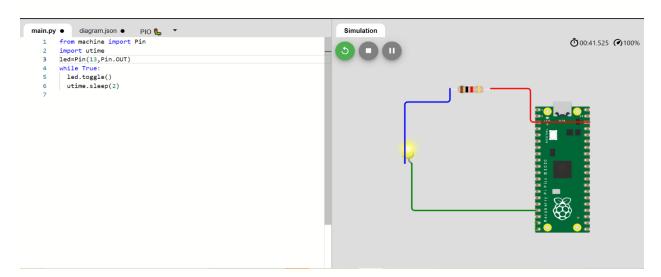
Name: BALASHANMUGAM K Rollno: 727719EUEC025

# **ASSIGNMENT-3**

# 1.LED

from machine import Pin import utime led=Pin(13,Pin.OUT) while True: led.toggle() utime.sleep(1)

### **OUTPUT:**



# 2.LEB BLINKING:

# Main.py

from machine import Pin

import utime

led=Pin(9,Pin.OUT)

led1=Pin(15,Pin.OUT)

while True:

led.toggle()

utime.sleep(3)

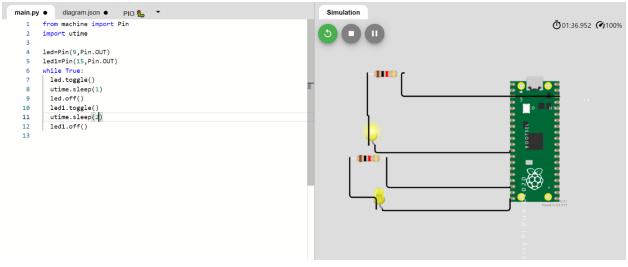
led.off()

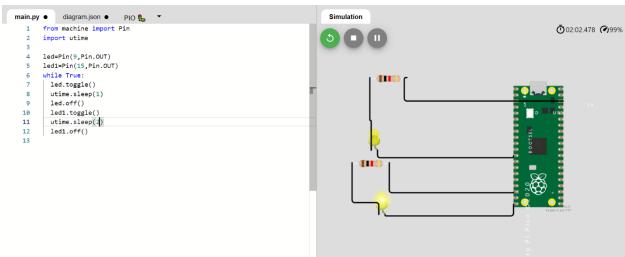
led1.toggle()

utime.sleep(3)

led1.off()

### **OUTPUT:**





# **Traffic Light**

### Main.py:

from machine import Pin import utime led=Pin(3,Pin.OUT) led1=Pin(9,Pin.OUT) led2=Pin(14,Pin.OUT) while True: led.toggle() utime.sleep(3) led.off()

```
led1.toggle()
 utime.sleep(3)
 led1.off()
 led2.toggle()
 utime.sleep(3)
 led1.off()
diagram.json:
 "version": 1,
 "author": "Kaneeshka Shanmugam",
 "editor": "wokwi",
 "parts": [
    "type": "wokwi-pi-pico",
    "id": "pico",
    "top": 0,
    "left": 0,
    "attrs": { "env": "micropython-20220117-v1.18" }
    "type": "wokwi-led",
    "id": "led2",
    "top": 73.18,
    "left": -133.31,
    "attrs": { "color": "yellow" }
    "type": "wokwi-led",
    "id": "led3",
    "top": 143.51,
    "left": -134.98,
   "attrs": { "color": "limegreen" }
  },
    "type": "wokwi-resistor",
    "id": "r1",
    "top": -24.49,
    "left": -129.65,
    "attrs": { "value": "1000" }
    "type": "wokwi-resistor",
    "id": "r2",
    "top": 57.85,
```

```
"left": -139.98,
   "attrs": { "value": "1000" }
  },
   "type": "wokwi-resistor",
   "id": "r3",
   "top": 126.18,
   "left": -145.65,
   "attrs": { "value": "1000" }
   "type": "wokwi-led",
   "id": "led1",
   "top": 4.18,
   "left": -126.98,
   "attrs": { "color": "red" }
],
 "connections": [
  [ "undefined:undefined", "undefined:undefined", null, null ],
  [ "undefined:undefined", "undefined:undefined", null, null ],
  [ "led1:A", "pico:GP3", "green", [ "v4.4", "h105" ] ],
  [ "undefined:undefined", "undefined:undefined", null, null ],
  ["undefined:undefined", "undefined:undefined", null, null],
  [ "led2:A", "pico:GP9", "green", [ "v2.73", "h108" ] ],
  [ "undefined:undefined", "undefined:undefined", null, null ],
  [ "undefined:undefined", "undefined:undefined", null, null ],
  [ "led3:A", "pico:GP14", "green", [ "v-0.26", "h111" ] ]
]
}
```

#### **OUTPUT:**

