

Samyuktha AD  
19TUEC209  
BE ECE C  
SKCT

## Assignment 3

### **Code for the circuit:**

```
import paho.mqtt.client as paho
import LED
from time import sleep

green = LED(5)
red = LED(6)
blue = LED(13)

while True:
    green.off()
    red.off()
    blue.off()
    sleep(1)
    green.on()
```

sleep(1)

green.off()

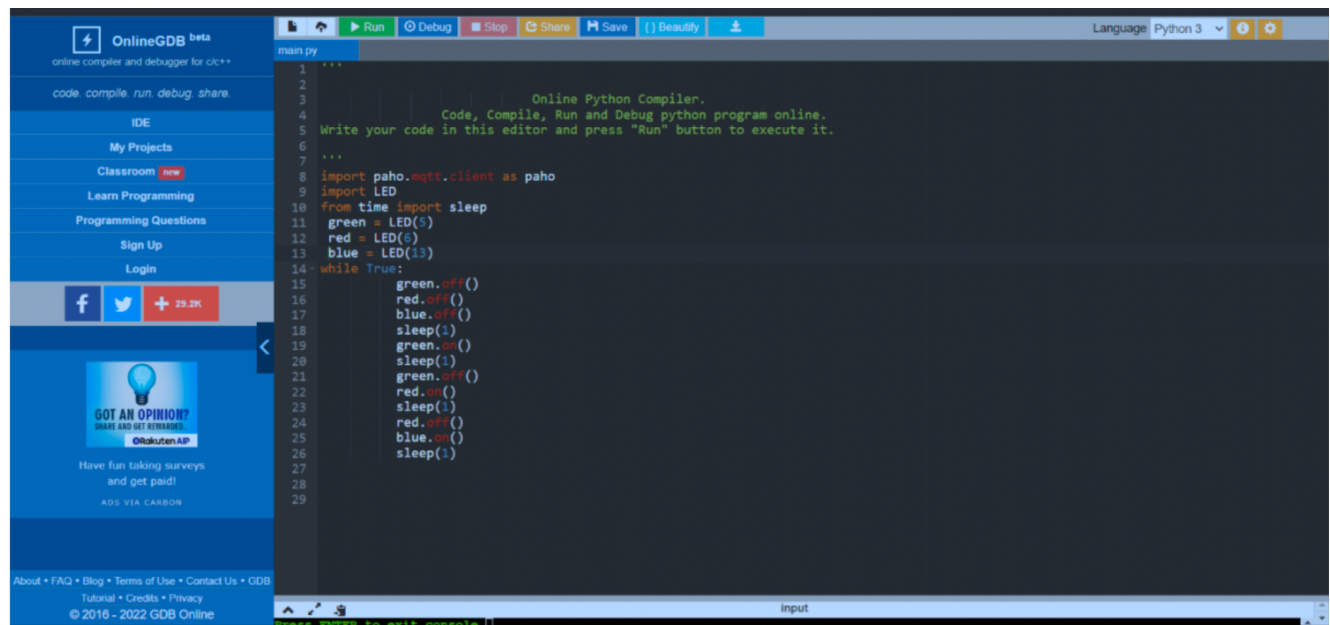
red.on()

sleep(1)

red.off()

blue.on()

sleep(1)



The screenshot shows the OnlineGDB web interface. On the left is a sidebar with navigation links: OnlineGDB beta, code compile run debug share, IDE, My Projects, Classroom, Learn Programming, Programming Questions, Sign Up, and Login. Below these are social media icons for Facebook and Twitter, and a Rakuten AD. The main area displays a Python program for controlling three LEDs (green, red, blue) using a Paho MQTT client. The program includes imports for paho.mqtt.client, LED, and time, and a while loop that toggles the LEDs and calls sleep(1) for timing. The bottom status bar shows the input prompt and the command prompt.

```
1  """
2  ...
3  Online Python Compiler.
4  Code, Compile, Run and Debug python program online.
5  Write your code in this editor and press "Run" button to execute it.
6  ...
7  import paho.mqtt.client as paho
8  import LED
9  from time import sleep
10
11  green = LED(5)
12  red = LED(6)
13  blue = LED(13)
14  while True:
15      green.off()
16      red.off()
17      blue.off()
18      sleep(1)
19      green.on()
20      sleep(1)
21      green.off()
22      red.on()
23      sleep(1)
24      red.off()
25      blue.on()
26      sleep(1)
27
28
29
```