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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()

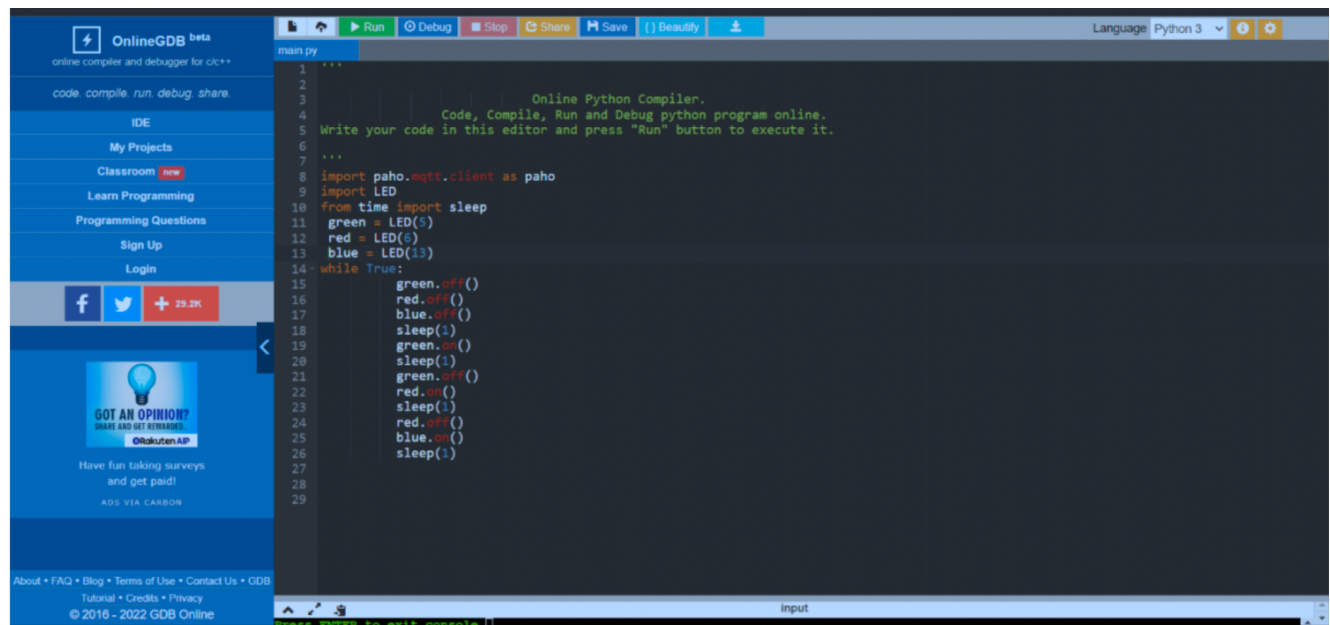
red.on()

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 script for controlling three LEDs (green, red, blue) using a Paho MQTT client. The script includes comments and a while loop that toggles the LEDs and sleeps for 1 second. The bottom status bar shows the language as Python 3 and the input field.

```
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  """
8  import paho.mqtt.client as paho
9  import LED
10 from time import sleep
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
```