ASSIGNMENT – 3

PYTHON PROGRAMMING

Assignment Date	19 September 2022
Student Name	Manikandan S
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Maximum Marks	2 Marks

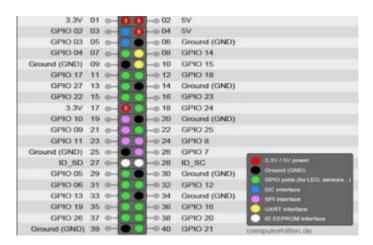
QUESTION:

Write a Python code for blinking LED and Traffic Lights for Raspberry Pi.

SOLUTION:

```
from gpiozero import Button, TrafficLights, Buzzer
from time import sleep
buzzer=Buzzer(15)
button=Button(21)
lights=TrafficLights(25,8,7)
while True:
        button.wait_for_press()
        buzzer.on()
        light.red.on()
        sleep(1)
        lights.amber.on()
        sleep(1)
        lights.green.on()
        sleep(1)
        lights.off()
        buzzer.off()
```

GPIO PIN DIAGRAM:



GPIO PINS USED:

- GP 21-BUTTON
- GP 15 BUZZER
- GP 25 RED LED
- GP 8 YELLOW LED
- GP 7 GREEN LED