ASSIGNMENT – 3

Assignment Date	09-10-2022
Student Name	ABHIRAMI J.S
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Maximum Marks	2 Marks

QUESTION

WRITE A PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHTS FOR RASPBERRY PI

CODE:

```
import time

import RPi.GPIO as GPIO

GPIO.setmode(GPIO.BOARD)

GPIO.setup(11, GPIO.OUT)

while True:

GPIO.output(11,True)

time.sleep(1)

GPIO.output(11,False)

time.sleep(1)

from gpiozero import Button, TrafficLights, Buzzer

buzzer = Buzzer(15)

button = Button(21)

lights = TrafficLights(25, 8, 7)

while True:

button.wait_for_press()

light.green.on()

sleep(1)

lights.amber.on()
```

```python
sleep(1)
lights.red.on()
sleep(1)
lights.off()
while True:
    lights.on()
    buzzer.off()
    button.wait_for_press()
    lights.off()
    buzzer.on()
    button.wait_for_release()
while True:
    lights.blink()
    buzzr.beep()
    button.wait_for_press()
    lights.off()
    buzzer.off()
    button.wait_for_release()
```