

ASSIGNMENT 3

ASSIGNMENT DATE	3 OCTOBER 2022
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MAXIMUM MARKS	2 marks

QUESTION: WRITE A PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHT 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() 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()
buzzer.beep()
button.wait_for_press()
lights.off() buzzer.off()
    button.wait_for_release()
```