Assignment - 3

Python Programming

Assignment Date	1 October 2022
Student Name	Mr.Balakarthikeyan P
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Maximum Marks	2 Marks

Question-1:

Write a python code blinking a LED for Raspberry pi

Solution:

Code:

while True: # Run forever

GPIO.output(8, GPIO.HIGH) # Turn on sleep(1) # Sleep for 1 second GPIO.output(8, GPIO.LOW) # Turn off sleep(1) # Sleep for 1 second

Question-2:

Write a python code Traffic lights for Raspberry pi

Solution:

Code:

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.green.on()
sleep(1)
lights.amber.on()
sleep(1)
lights.red.on()
sleep(1)
lights.off()

buzzer.off()