

### Assignment -3

Assignment Date	12 October 2022
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#### Question 1:

Write a python code for led blinking with Raspberry pi.

#### Code:

```
import RPi.GPIO as
GPIOfrom time
import sleep

GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(12,
GPIO.OUT,initial=GPIO.LOW)while
True:
    GPIO.output(12, GPIO.HIGH)
    sleep(2)
    GPIO.output(12, GPIO.LOW)
    sleep(2)
```

#### Question – 2:

Write a python code for traffic light with Raspberry pi.

#### Code:

```
from gpiozero import Button,
TrafficLightsfrom time import sleep

btn = Button(21)
light = TrafficLights(red=23, amber=9, green=11)
```

```
while True:
    btn.wait_for_active
    ()light.on(0)
    sleep(3)
    light.off(
    0)
    light.on(1
    )sleep(2)
    light.off(
    1)
    light.on(2
    )sleep(3)
    light.off(
    2)
```