**Assignment -3**
**PYTHON CODE**

| Assignment Date | 06 October 2022 |
|---|---|
| Student Name | Baby Swetha.G |
| Student Roll Number | 511319106004 |
| Maximum Marks | 2 Marks |

QUESTION-2:

Write a python code for blinking LED for Raspberry pi. Only python code is

enough, no need to execute in raspberry pi.

## Solution:

BLINKING LED

```python
import time
#assign numbering for the GPIO using BCM
GPIO.setmode(GPIO.BCM)
#assingn number for the GPIO using Board
#GPIO.setmode(GPIO.BOARD)
cnt = 0
MAIL_CHECK_FREQ = 1 # change LED status every 1 seconds
RED_LED = 4
GPIO.setup(RED_LED, GPIO.OUT)
while True:
ifcnt == 0 :
GPIO.output(RED_LED, False)
cnt = 1
else:
GPIO.output(RED_LED, True)
cnt = 0
time.sleep(MAIL_CHECK_FREQ)
GPIO.cleanup()
TRAFFIC LIGHT
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()
```