ASSIGNMENT – 3

Raspberry pi

Assignment Date	29th September, 2022
Student Name	Deepajothi s.k
Register Number	2019504016
Maximum Marks	2Marks

Question 1

Write a Python code for Blinking LED for Raspberry pi(only python code)

```python
import RPi.GPIO as GPIO
from time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)
while True:
GPIO.output(8, GPIO.HIGH)
sleep(1)
GPIO.output(8, GPIO.LOW)
sleep(1)
```

Question 2
Write a python code for Traffic lights for Raspberry pi(only python code).

```python
from gpiozero import Button, TrafficLights, Buzzer
from time import sleep
buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)
```

```python
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().
```