

Assignment -3

Assignment Date	07 October 2022
Student Name	Sivadhanush T
Student Roll Number	721219106049
Maximum Marks	2 Marks

Question:

Write python code for blinking LED and traffic lights for raspberry pi.

Blinking LED:

```
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)
```

Traffic Lights:

```
import RPi.GPIO as GPIO
import time
import signal
import sys

GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT)

while True:
    GPIO.output(9, True)
    time.sleep(3)
    GPIO.output(10, True)
    time.sleep(1)
    GPIO.output(9, False)
```

```
GPIO.output(10, False)
```

```
GPIO.output(11, True)
```

```
time.sleep(5)
```

```
GPIO.output(11, False)
```

```
GPIO.output(10, True)
```

```
time.sleep(2)
```

```
GPIO.output(10, False)
```