ASSIGNMENT 3

```python
# Blinking LED

import RPi.GPIO as
GPIO from time
import sleep

GPIO.setwarnings(Fals
e)
GPIO.setmode(GPIO.B
OARD)
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while True:
 GPIO.output(8, GPIO.HIGH)
 sleep(1)
 GPIO.output(8, GPIO.LOW)
 sleep(1)

# Traffic light
Simulation import
RPi.GPIO as GPIO
import time
import
signal
import
```

```python
sys

GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT)
while True:
    # Red
    GPIO.output(9, True)
    time.sleep(3)
    # Red and amber
```

```python
GPIO.output(10,
True)
time.sleep(1)
# Green
GPIO.output(9,
False)
GPIO.output(10,
False)
GPIO.output(11,
True)
time.sleep(5)
# Amber
GPIO.output(11,
False)
GPIO.output(10,
True)
time.sleep(2)
# Amber off (red comes on at
top of loop) GPIO.output(10,
False)
```