# ASSIGNMENT 3

## LED BLINKING (Raspberry pi)

```python
import RPi.GPIO as GPIO
import time
LED = 40
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(LED, GPIO.OUT)

while True:

    GPIO.output(LED,GPIO.HIGH)
    time.sleep(1)
    GPIO.output(LED,GPIO.LOW)
    time.sleep(1)
```

## TRAFFIC LIGHT (Raspberry pi)

```python
import time
import RPi.GPIO as GPIO
GPIO.cleanup()
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11,GPIO.OUT)
GPIO.setup(13,GPIO.OUT)
GPIO.setup(15,GPIO.OUT)
GPIO.setup(12,GPIO.IN)
while True:
GPIO.output(11,GPIO.HIGH)
if (GPIO.input(12) == True):
print("pressed")
time.sleep(3)
GPIO.output(13,GPIO.HIGH)
time.sleep(3)
GPIO.output(11,GPIO.LOW)
        GPIO.output(11,GPIO.LOW)
```

```
GPIO.output(13,GPIO.LOW)
GPIO.output(15,GPIO.HIGH)
time.sleep(3)
GPIO.output(15,GPIO.LOW)
GPIO.output(13,GPIO.HIGH)
time.sleep(3)
GPIO.output(13,GPIO.LOW)
print("End")
```