

IBM ASSIGNMENT- 3

TEAM ID : PNT2022TMID26599

NAME:AANCIN.A

ROLLNO:212919104001

Build a python code. Write python code for blinking LED and Traffic lights for Raspberry pi.

Program:

```
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)

def allLightsOff(signal, frame):
    GPIO.output(9, False)
    GPIO.output(10, False)
    GPIO.output(11, False)

GPIO.cleanup()
sys.exit(0)

signal.signal(signal.SIGINT, allLightsOff)

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)
```