## Assignment 3

Write a python code for LED blinking and traffic with raspberry pi:

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Code:
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:
  # Red
  GPIO.output(9, True)
  time.sleep(3)
  # Red and amber
  GPIO.output(10, True)
  time.sleep(1)
```

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# Green
  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)
import machine
import utime
led_red=machine.Pin(15,machine.Pin.OUT)
led_yellow=machine.Pin(14,machine.Pin.OUT)
led_green=machine.Pin(15,machine.Pin.OUT)
while true:
  led_red.value(1)
  utime.sleep(5)
  led_yellow.value(1)
  utime.sleep(2)
  led_red.value(0)
  led_yellow.value(0)
  led_green.value(1)
  utime.sleep(5)
  led_green.value(0)
  led_yellow.value(1)
  utime.sleep(5)
  led_yellow.value(0)
```

## Output:

