IBM ASSIGNMENT – III

Description:
In this we are connecting three LED's "Red" , "Amber" and "Green." These are controlled by the raspberry pi which will first turn on the red light for 3 seconds then amber along with red for a second then only green light will glow for 5 seconds after this we will turn on the amber alone for 2 seconds after this it will be looped.

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

GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)      #Red led at pin 9
GPIO.setup(10, GPIO.OUT)     #Amber led at pin 10
GPIO.setup(11, GPIO.OUT)     #Green led at pin 11

while True:
    # Red
    GPIO.output(9, True)
    time.sleep(3)

    # Red and amber
    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)
```