**Assignment 3:**Write python code for blinking LED and Traffic lights for Raspberry pi.  
Only python code is enough, no need to execute in raspberry pi.  
Note: You are allowed to use web search and complete the assignment.

**#Code for blinking LED**import RPi.GPIO as GPIO  
import time  
GPIO.setmode(GPIO.BCM)  
GPIO.setup(14,GPIO.OUT)  
while True:  
 GPIO.output(14, True)  
 time.sleep(1)  
 GPIO.output(14, False)  
 time.sleep(1)

**#Code for Traffic Lights**   
import RPi.GPIO as GPIO  
import time  
import signal  
import sys  
  
#Setup  
GPIO.setmode(GPIO.BCM)  
GPIO.setup(9, GPIO.OUT) #red LED  
GPIO.setup(10, GPIO.OUT) #amber LED  
GPIO.setup(11, GPIO.OUT) #green LED  
  
#Turn off all lights when user ends demo  
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)  
  
#Loop forever  
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)