**Assignment - 3**

**Question:**

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.

**(i) CODE:**

import time

import RPi.GPIO as GPIO

GPIO.setmode(GPIO.BOARD)

GPIO.setup(11, GPIO.OUT)

while True:

GPIO.output(11,True)

time.sleep(1)

GPIO.output(11,False)

time.sleep(1)

**(ii) CODE:**

import RPi.GPIO as GPIO

from time import sleep

GPIO.setmode(GPIO.BOARD)

red=7

yellow=11

green=13

GPIO.setup(red, GPIO.OUT)

GPIO.setup(yellow, GPIO.OUT)

GPIO.setup(green, GPIO.OUT)

while True:

GPIO.output(red, True)

print("RED is ON")

sleep(3)

GPIO.output(red,False)

GPIO.output(yellow, True)

print("YELLOW is ON")

sleep(3)

GPIO.output(yellow,False)

GPIO.output(green, True)

print("GREEN is ON")

sleep(3)

GPIO.output(green,False)

GPIO.cleanup()