**ASSIGNMENT -3**

**LED BLINKING CODE**

import RPi.GPIO as GP

from time import sleep

GP.setwarnings(False)

GP.setmode(GP.BOARD) GP.setup(8,GP.OUT,initial=GP.LOW)

while True:

GP.output(8, GPIO.HIGH)print("The LED is ON")

sleep(2)GP.output(8, GPIO.LOW)

print("The LED is OFF")

sleep(2)

**TRAFFIC LIGHT RASBERRY PYTHON**

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)