ASSIGNMENT 3

**QUESTION:** WRITEAPYTHONCODEFOR BLINKINGLED ANDTRAFFICLIGHTFORRASPBERRYPI.

**CODE:**

importtime

import RPi.GPIO as GPIOGPIO.setmode(GPIO.BOARD)GPIO.setup(11,GPIO.OUT)

while True:GPIO.output(11,True)time.sleep(1)GPIO.output(11,False)time.sleep(1)

from gpiozero import Button, TrafficLights, Buzzerbuzzer= Buzzer(15)

button=Button(21)

lights = TrafficLights(25, 8, 7)while True:

button.wait\_for\_press()light.green.on()sleep(1)lights.amber.on()sleep(1)

lights.red.on()sleep(1)lights.off()

while True:lights.on()buzzer.off()

button.wait\_for\_press()lights.off()

buzzer.on()button.wait\_for\_release()

while True:lights.blink()buzzr.beep()

button.wait\_for\_press()lights.off()

buzzer.off()button.wait\_for\_release()