**ASSIGNMENT 3**

**WRITE PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHTS FOR RASPBERRY PI.**

**CODE :**

**Python Code Blink the LED**

import RPi.GPIO as GPIO #import RPi.GPIO module

import time

LED = 40 #pin no. as per BOARD

GPIO.setwarnings(False) #disable warnings

GPIO.setmode(GPIO.BOARD) #set pin numbering format

GPIO.setup(LED, GPIO.OUT) #set GPIO as output

while True:

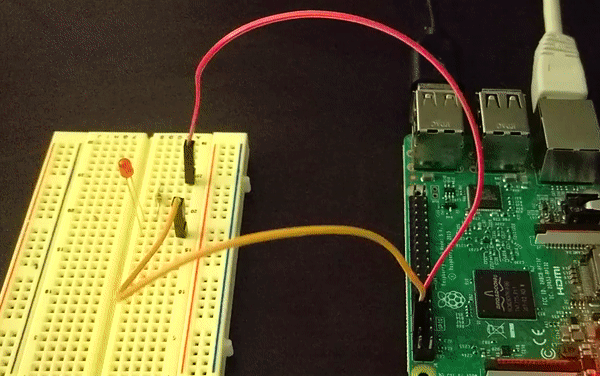
GPIO.output(LED,GPIO.HIGH)

time.sleep(1)

GPIO.output(LED,GPIO.LOW)

time.sleep(1)

**OUTPUT :**

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**Python Code TRAFFIC LIGHTS FOR RASPBERRY PI.**

from gpiozero import LED

from time import sleep

red = LED(18)

amber = LED(2)

green = LED(17)

green.on()

amber.off()

red.off()

while True:

sleep(10)

green.off()

amber.on()

sleep(5)

amber.off()

red.on()

sleep(5)

amber.on()

sleep(5)

green.on()

amber.off()

red.off()

