**Assignment-3**

# Program for Traffic light and blinking LED

Code:

**#PROGRAM FOR TRAFFIC LIGHT**

import RPi.GPIO as GPIO

import time

#assign numbering for the GPIO using BCM

GPIO.setmode(GPIO.BCM)

GPIO.setup(4,GPIO.OUT)#green led

GPIO.setup(3,GPIO.OUT)#yellow led

GPIO.setup(2,GPIO.OUT)#red led

while True:

#code for green led

GPIO.output(4,True)

time.sleep(1)

GPIO.OUTPUT(4,False)

#code for yellow led

GPIO.output(3,True)

time.sleep(1)

GPIO.OUTPUT(3,False)

#code for red led

GPIO.output(2,True)

time.sleep(1)

GPIO.OUTPUT(2,False)

GPIO.cleanup()

**#PROGRAM FOR BLINKING AN LED**

import RPi.GPIO as GPIO

import time

#assign numbering for the GPIO using BCM

GPIO.setmode(GPIO.BCM)

#assingn number for the GPIO using Board

#GPIO.setmode(GPIO.BOARD)

cnt = 0

GPIO.setup(4, GPIO.OUT)

while True:

if cnt == 0 :

GPIO.output(RED\_LED, False)

cnt = 1

else:

GPIO.output(RED\_LED, True)

cnt = 0

time.sleep(1)

GPIO.cleanup()