PYTHON CODE FOR LED BLINKING

**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)**

PYTHON CODE FOR TRAFFIC LIGHTS

**from gpiozero import LED**

**from time import sleep**

**red= LED(17)**

**aster=(22)**

**green=(27)**

**while True:**

**red.on()**

**print(“Red light is ON”)**

**for I in range(100,0,-1):**

**print(“Remaining time: “,i)**

**sleep(1)**

**red.off()**

**aster.on()**

**print(“Yellow light is ON”)**

**for I in range(5,0,-1):**

**print(“Remaining time: “,i)**

**sleep(1)**

**aster.off()**

**green.on**

**print(“Green light is ON”)**

**for I in range(30,0,-1):**

**print(“Remaining time: “,i)**

**sleep(1)**

**green.off()**