Assignment Date	10 November 2022
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Team id	PNT2022TMID30027
Maximum Marks	2 Marks

PYTHON CODE FOR BLINKING LED:

```
import RPi.GPIO as GPIO  from
time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW)  while
True:
GPIO.output(8, GPIO.HIGH)
print("The LED is ON")
sleep(2)
GPIO.output(8, GPIO.LOW)
print("The LED is OFF")
sleep(2)
```

PYTHON CODE FOR TRAFFIC LIGHT FOR RASPBERRY PI:

```
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()
```