

Assignment -3
Python Programming

Assignment Date	10 November 2022
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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()
```