

**Assignment -3**  
Python Programming

Assignment Date	19 September 2022
Student Name	Mr. Vignesh.R
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Maximum Marks	2 Marks

**Question-1:**

write a python code for blinking led and traffic lights for raspberry pi

**Solution:**

Our script needs to do the following:

1. Initialize the GPIO ports
2. Turn the LED on and off in 1 second intervals

```
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)
    sleep(1)
    GPIO.output(8, GPIO.LOW)
    sleep(1)
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)

GPIO.output(8, GPIO.LOW)

sleep(1)

With our program finished, save it as `blinking_led.py` and run it either inside your IDE or in the console with :

**\$ python blinking\_led.py**