

# Assignment 3

## Python programming using open weather map

Assignment Date	5 October 2022
Student Name	Janani. J
Student Roll Number	511919106004

### Question:

Write a python code for blinking LED and Traffic lights for Raspberry pi.

Only python code is enough, no need to execute in raspberry pi.

### Solution:

```
import RPi.GPIO as GPIO    # Import Raspberry Pi GPIO library
from time import sleep     # Import the sleep function from the time module
GPIO.setwarnings(False)    # Ignore warning for now
GPIO.setmode(GPIO.BOARD)  # Use physical pin numbering
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) # Set pin 8 to be an output pin and set initial value to low (off)

while True:

    GPIO.output(8, GPIO.HIGH) # Turn on
    sleep(1) # Sleep for 1 second
    GPIO.output(8, GPIO.LOW) # Turn off
    sleep(1) # Sleep for 1 second

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$ python blinking_led.py
```