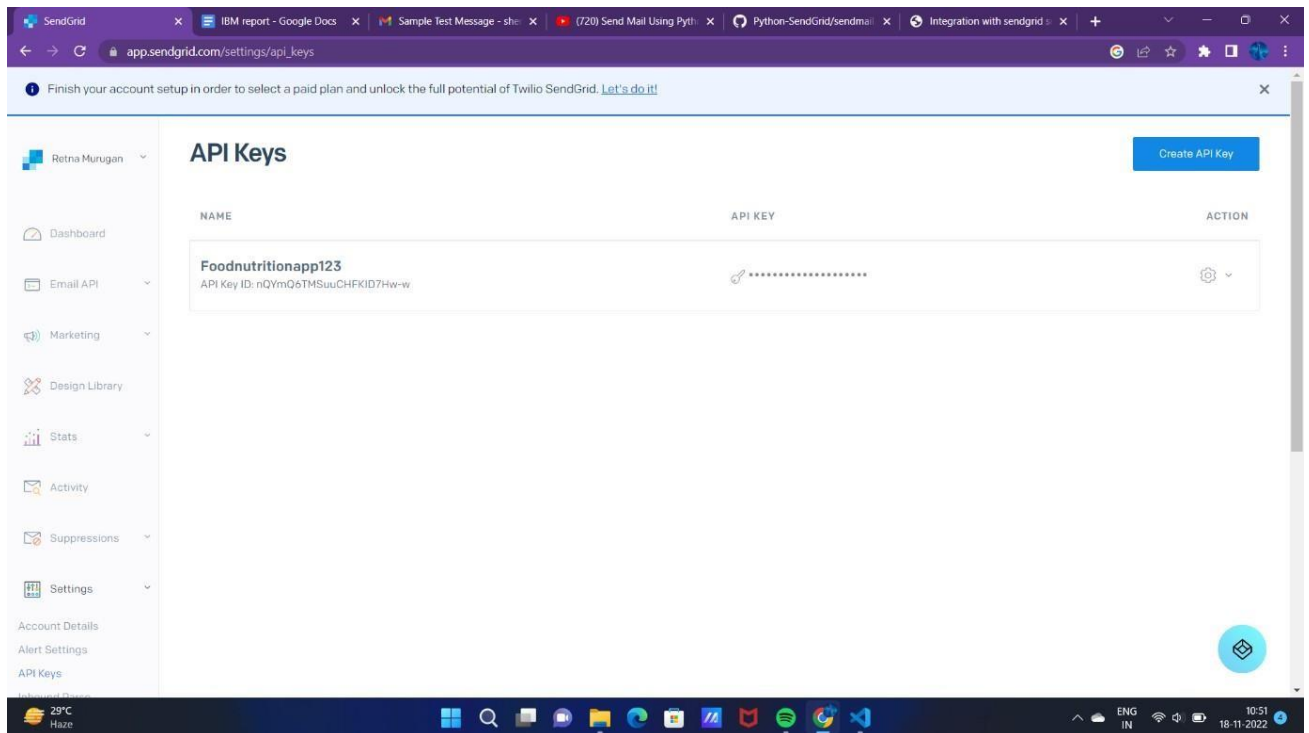


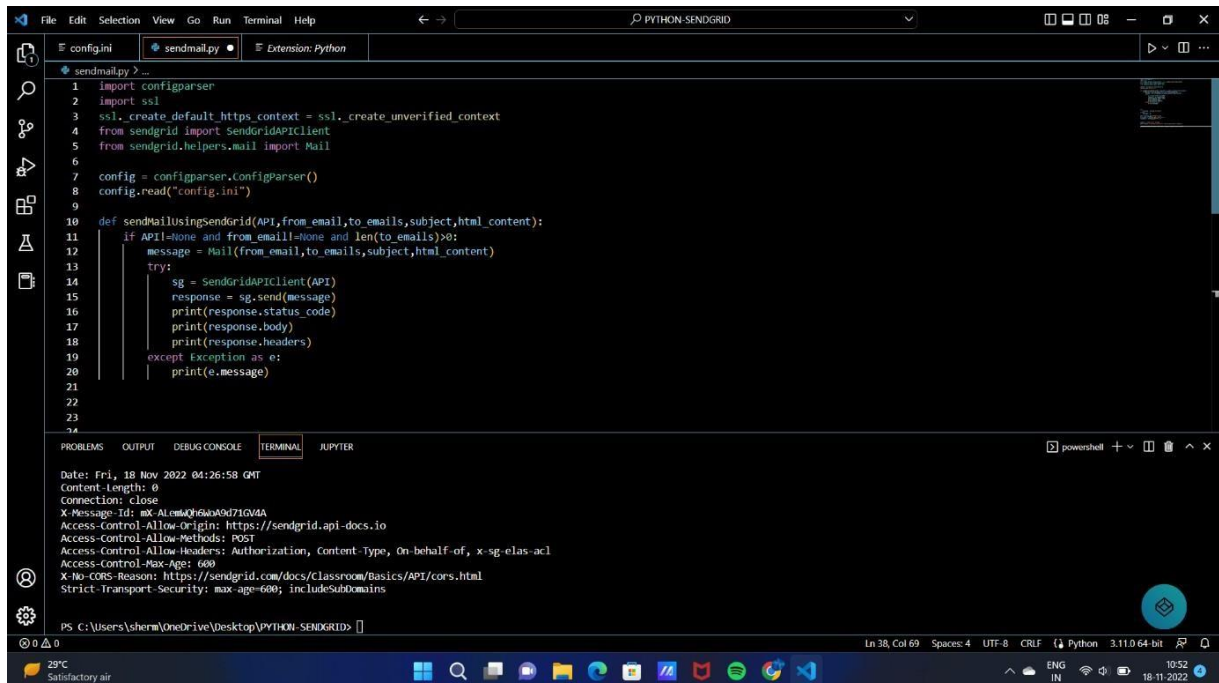
INTEGRATING SENDGRID WITH PYTHON

| | |
|--------------|---------------------------------|
| Team ID | PNT2022TMID47773 |
| Project Name | Nutrition Assistant Application |



Install package : > pip install Sendgrid

Send mail :

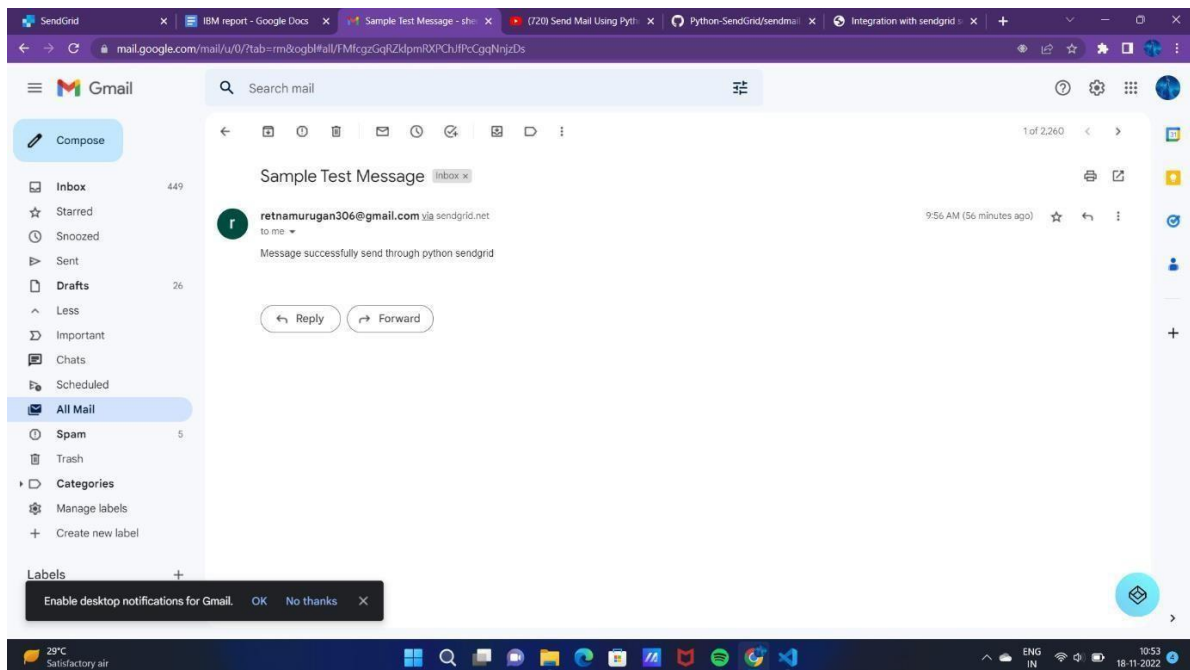


```
1 import configparser
2 import ssl
3 ssl._create_default_https_context = ssl._create_unverified_context
4 from sendgrid import SendGridAPIClient
5 from sendgrid.helpers.mail import Mail
6
7 config = configparser.ConfigParser()
8 config.read("config.ini")
9
10 def sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content):
11     if API!=None and from_email!=None and len(to_emails)>0:
12         message = Mail(from_email,to_emails,subject,html_content)
13         try:
14             sg = SendGridAPIClient(API)
15             response = sg.send(message)
16             print(response.status_code)
17             print(response.body)
18             print(response.headers)
19         except Exception as e:
20             print(e.message)
21
22
23
24
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

Date: Fri, 18 Nov 2022 04:26:58 GMT
Content-Length: 0
Connection: close
X-Message-Id: mX-ALcmQj6wa0h710V4A
Access-Control-Allow-Origin: https://sendgrid.api-docs.io
Access-Control-Allow-Methods: POST
Access-Control-Allow-Headers: Authorization, Content-Type, On-behalf-of, x-sg-elas-acl
Access-Control-Max-Age: 600
X-No-CORS-Reason: https://sendgrid.com/docs/Classroom/Basics/API/cors.html
Strict-Transport-Security: max-age=600; includeSubdomains

PS C:\Users\sherni\OneDrive\Desktop\PYTHON-SENDGRID>



Sendgrid mail activity :

The screenshot displays the Twilio SendGrid dashboard for user Retna Murugan. The interface includes a left-hand navigation menu with options like Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, Settings, and Twilio SMS. The main content area features a promotional banner at the top, followed by a greeting and a table of recent email activity metrics. The metrics table shows zero requests, with delivered, opened, clicked, bounces, and spam reports all marked as 'N/A'. A reputation bar at the bottom left indicates a 100% score. The Windows taskbar at the bottom shows the system time as 09:22 on 18-11-2022.

Ready to unlock the full potential of Twilio SendGrid?
Finish your account setup in order to select a paid Email API or Marketing Campaigns plan.
[Let's do it!](#)

Hello Retna! Here's your recent email activity. Wk Mg

| REQUESTS | DELIVERED | OPENED | CLICKED | BOUNCES | SPAM REPORTS |
|----------|-----------|----------|----------|----------|--------------|
| 0 | N/A 0 | N/A 0 | N/A 0 | N/A 0 | N/A 0 |

REPUTATION **100%**
[VIEW ACCOUNT USAGE](#)

27°C Partly sunny 09:22 18-11-2022