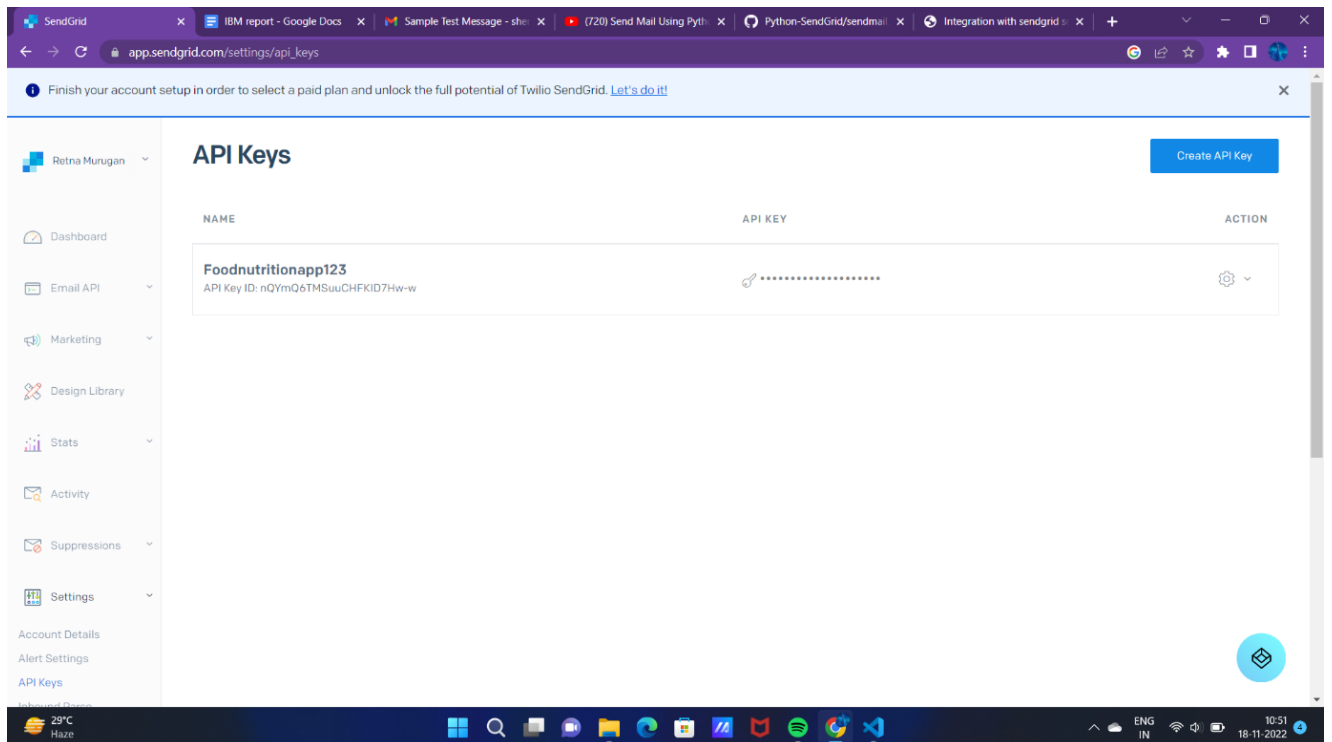


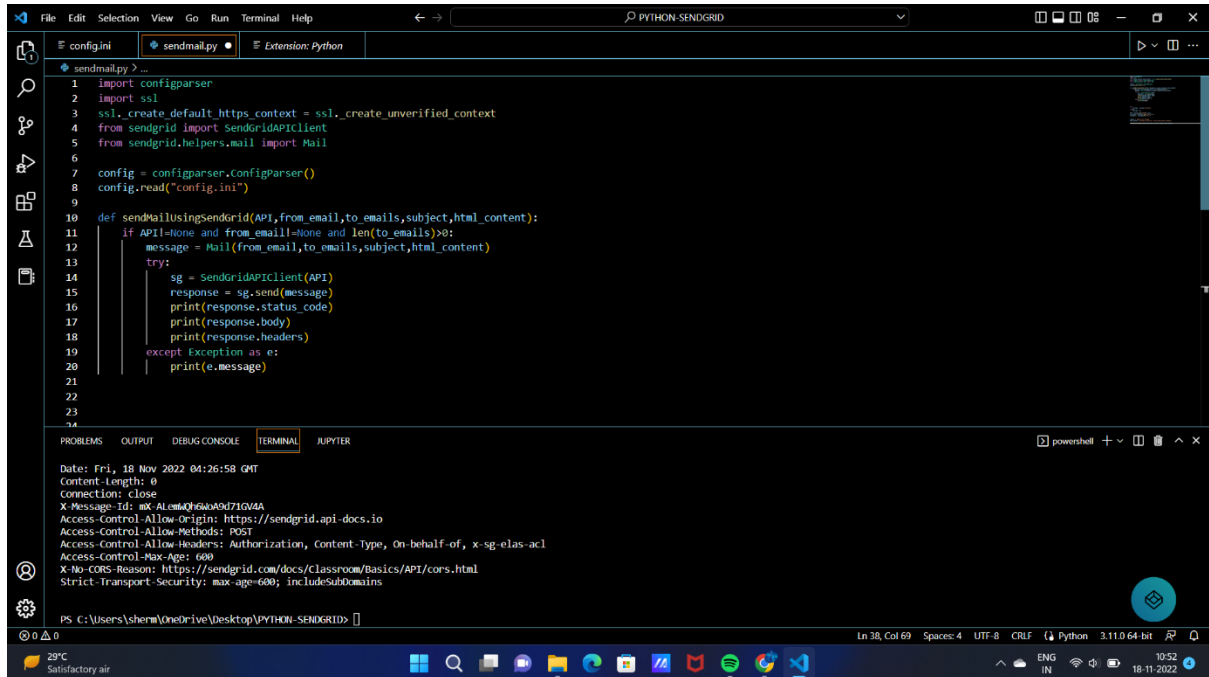
INTEGRATING SENDGRID WITH PYTHON

Team ID	PNT2022TMID37397
Project Name	Nutrition Assistant Application



Install package : > pip install Sendgrid

Send mail :

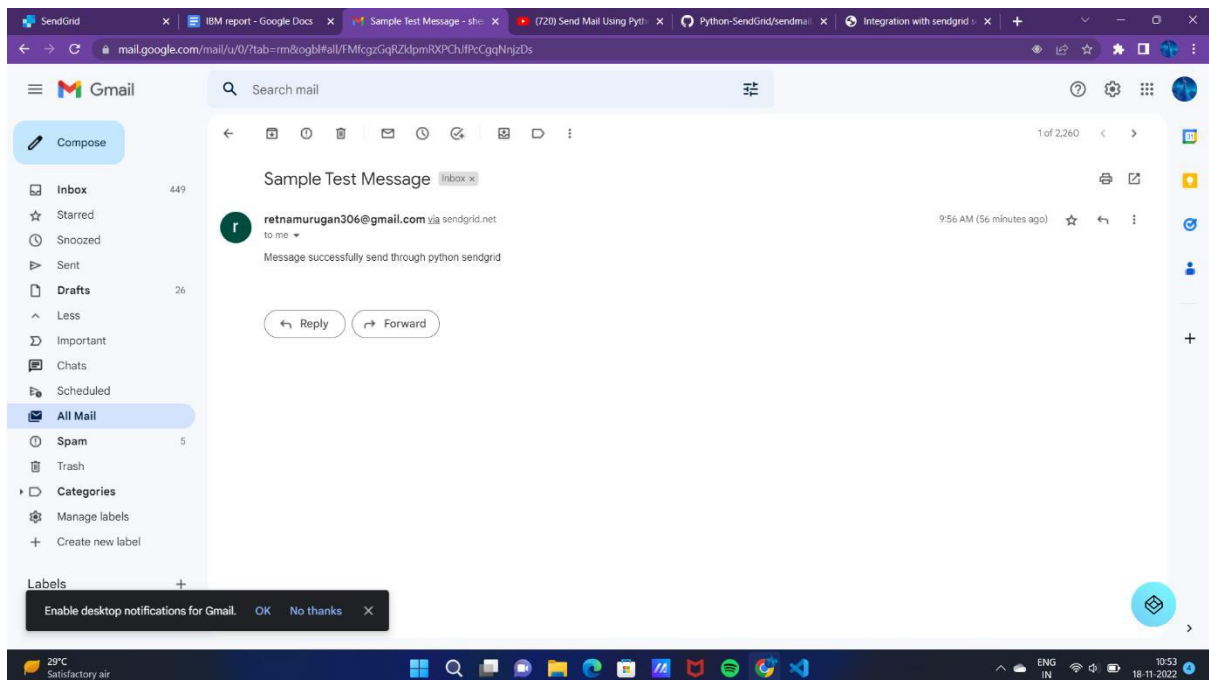


```
1 import configparser
2 import ssl
3 ssl.create_default_https_context = ssl._create_unverified_context
4 from sendgrid import SendGridAPIClient
5 from sendgrid.helpers.mail import Mail
6
7 config = configparser.ConfigParser()
8 config.read("config.ini")
9
10 def sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content):
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: mK-ALeWbQh6wA9d71QVAA
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\shern\OneDrive\Desktop\PYTHON-SENDGRID> []



Sendgrid mail activity :

The screenshot displays the Twilio SendGrid dashboard interface. At the top, a navigation bar includes the user name 'Retna Murugan' and a sidebar menu with options like Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, Settings, and Twilio SMS. The main content area features a large blue banner with the text 'Ready to unlock the full potential of Twilio SendGrid?' and a 'Let's do it!' button. Below this, a greeting 'Hello Retna! Here's your recent email activity.' is followed by a row of six metric cards: REQUESTS (0), DELIVERED (N/A), OPENED (N/A), CLICKED (N/A), BOUNCES (N/A), and SPAM REPORTS (N/A). Each card has a small '0' at the bottom. A 'Wk Mo' toggle is located to the right of the greeting. At the bottom, a status bar shows 'REPUTATION 100%' and a 'VIEW ACCOUNT USAGE' link. The Windows taskbar at the very bottom indicates a temperature of 27°C, weather of 'Partly sunny', and the date '18-11-2022'.

SendGrid

Retna Murugan

Dashboard

Email API

Marketing

Design Library

Stats

Activity

Suppressions

Settings

Twilio SMS NEW

REPUTATION 100%

VIEW ACCOUNT USAGE

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 Mo

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

27°C Partly sunny

ENG IN

09:22 18-11-2022