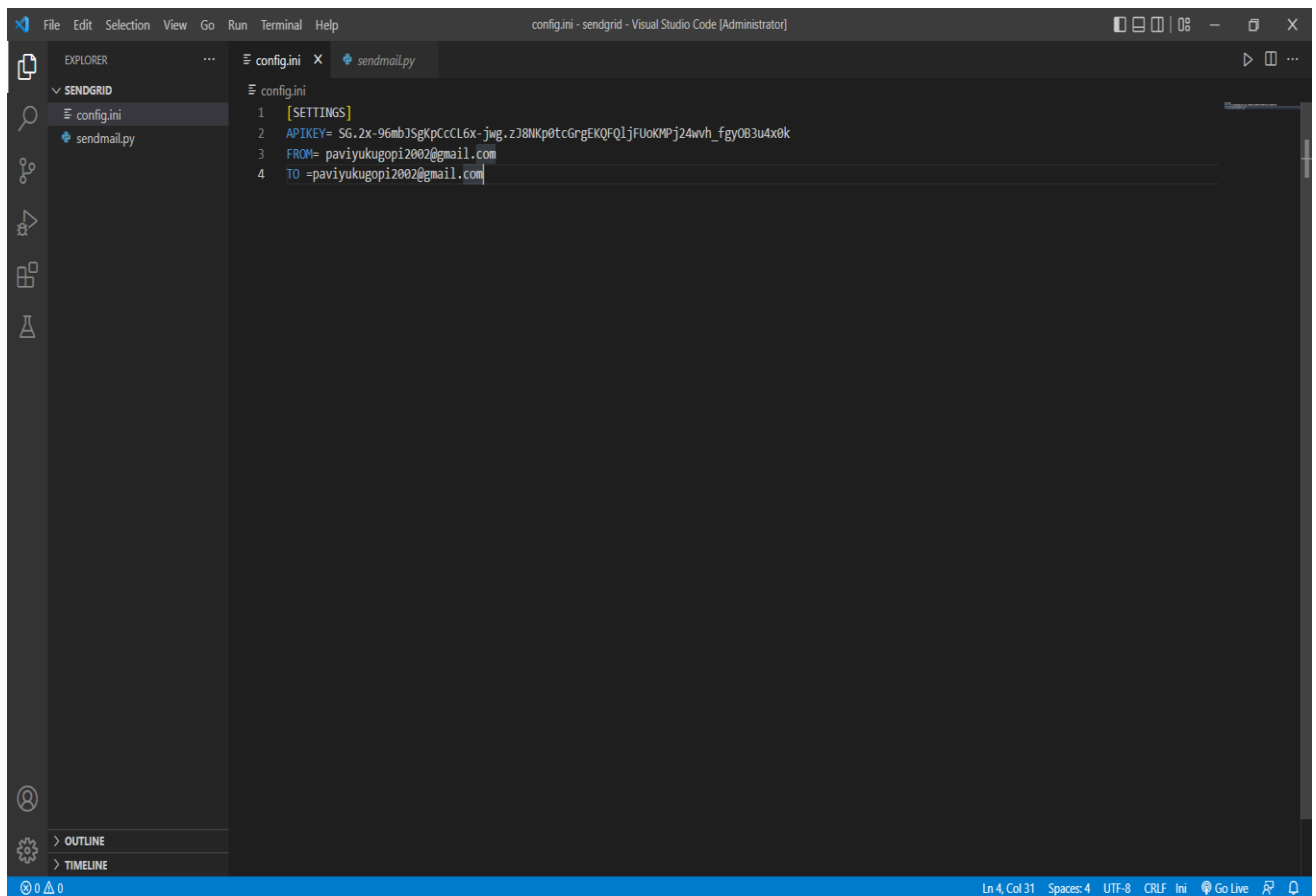


SENDGRID INTEGRATION WITH PYTHON CODE

Team ID	PNT2022TMID26969
Project Name	PLASMA DONOR APPLICATION

Config.ini



The screenshot shows the Visual Studio Code editor with the 'config.ini' file open. The file contains the following content:

```
1 [SETTINGS]
2 APIKEY= 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
3 FROM= paviyukugopi2002@gmail.com
4 TO =paviyukugopi2002@gmail.com
```

The Explorer sidebar on the left shows the project structure with 'SENDGRID' as the root, containing 'config.ini' and 'sendmail.py'. The status bar at the bottom indicates the current line and column as 'Ln 4, Col 31'.

Sendmail.py

```
import configparser
import ssl
ssl._create_default_https_context =
ssl._create_unverified_context
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail

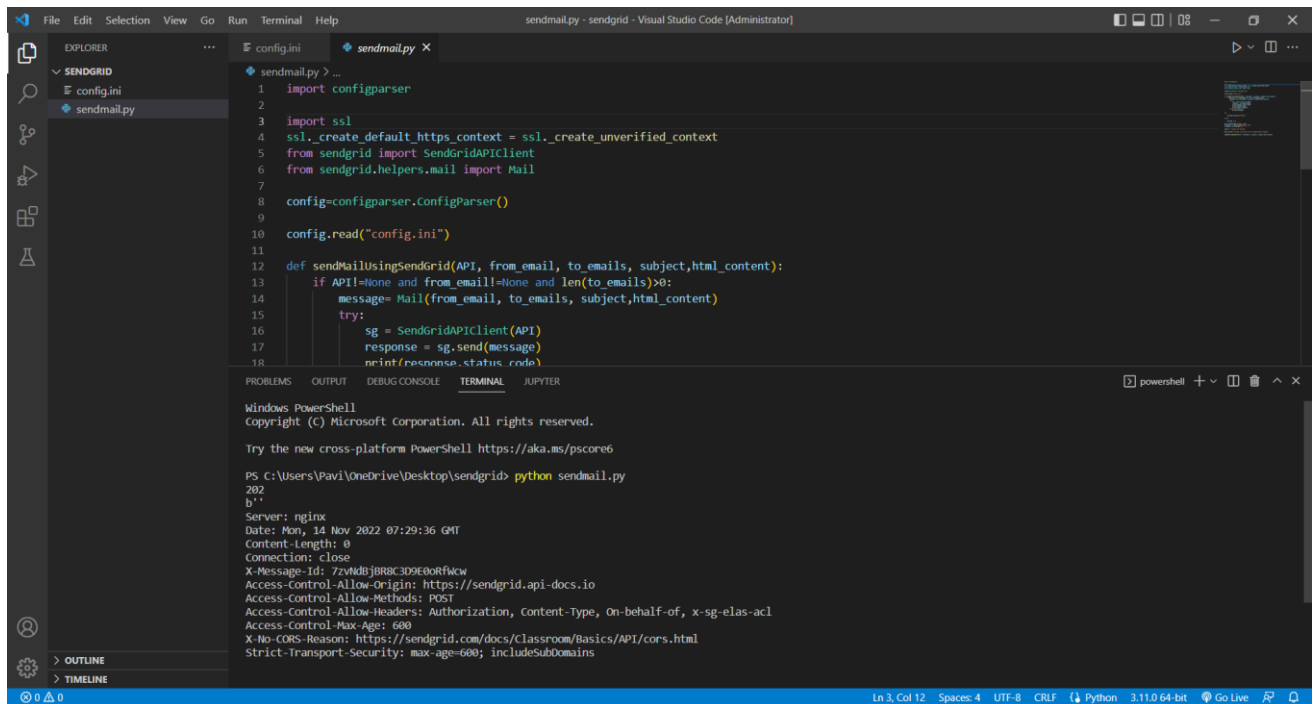
config=configparser.ConfigParser()

config.read("config.ini")
def sendMailUsingSendGrid(API, from_email, to_emails,
subject,html_content):
    if API!=None and from_email!=None and
len(to_emails)>0:
        message= Mail(from_email, to_emails, subject,html_content)
    try:
        sg = SendGridAPIClient(API)
        response = sg.send(message)
        print(response.status_code)
        print(response.body)
```

```
        print(response.headers)
except Exception as e:
    print(e.message)
    try:
        settings=config["SETTINGS"]
    except:
        settings = {}

API= settings.get("APIKEY", None)
from_email = settings.get("FROM", None)
to_emails= settings.get("TO", "")
    subject = "Sample test
message"
    html_content= "Message successfully sent through python
sendgrid"
    sendMailUsingSendGrid(API, from_email, to_emails,
subject,html_content)
```

Running the python file through terminal



The screenshot shows the Visual Studio Code interface with a Python file named `sendmail.py` open. The file contains a function `sendMailUsingSendGrid` that uses the SendGrid API to send an email. The terminal window at the bottom shows the command `python sendmail.py` being executed, and the output displays the email headers and status, indicating that the email was sent successfully.

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

Windows PowerShell
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\Users\Pavi\OneDrive\Desktop\sendgrid> python sendmail.py

202
b''
Server: nginx
Date: Mon, 14 Nov 2022 07:29:36 GMT
Content-Length: 0
Connection: close
X-Message-Id: 7zv4d0j0R8C3D9E00Rfwcw
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

Mail received

