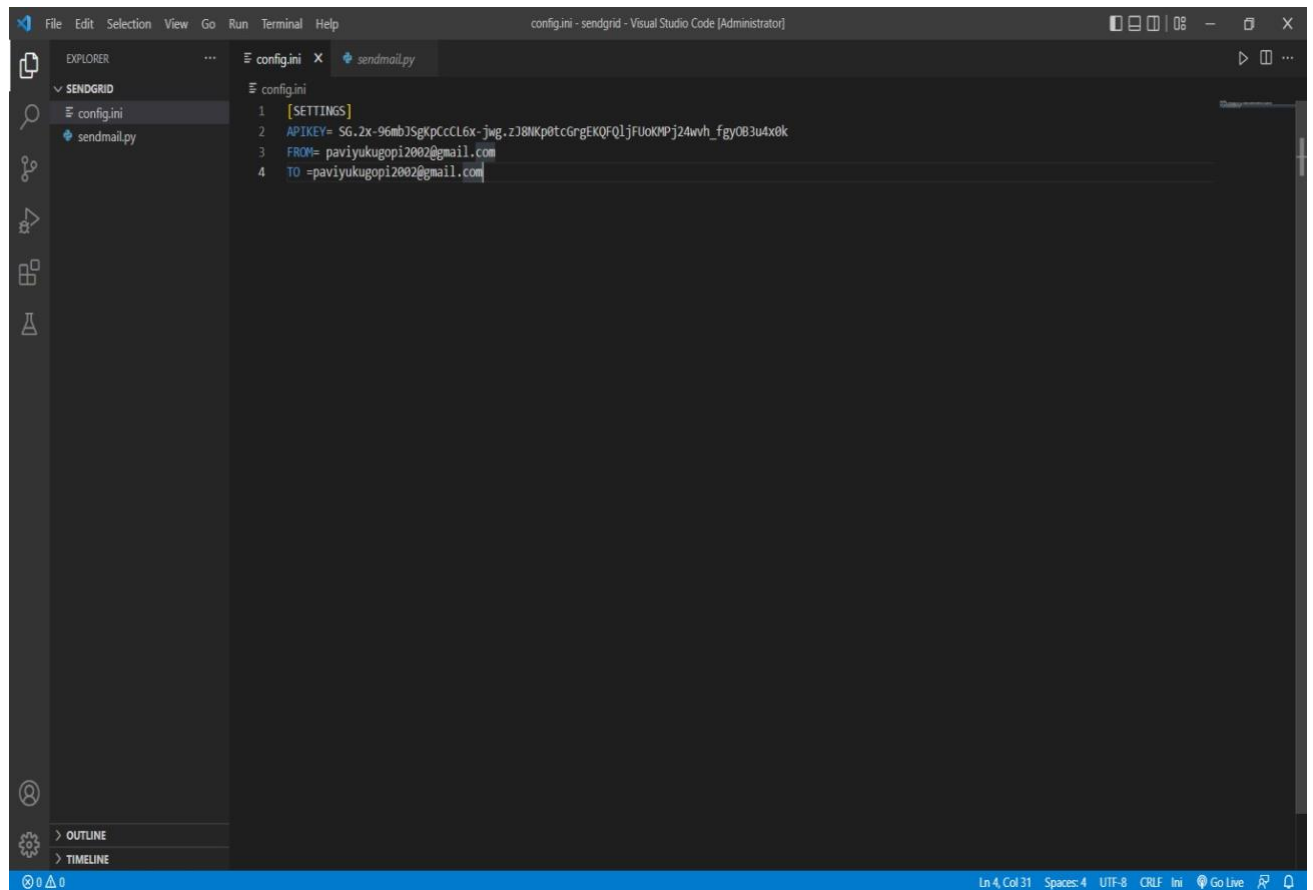


SENDGRID INTEGRATION WITH PYTHON CODE

Team ID	PNT2022TMID46887
Project Name	PLASMA DONOR APPLICATION

Config.ini



The screenshot shows the Visual Studio Code editor interface. The Explorer sidebar on the left displays a project named 'SENDGRID' containing two files: 'config.ini' and 'sendmail.py'. The 'config.ini' file is open in the main editor area. The code in 'config.ini' is as follows:

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

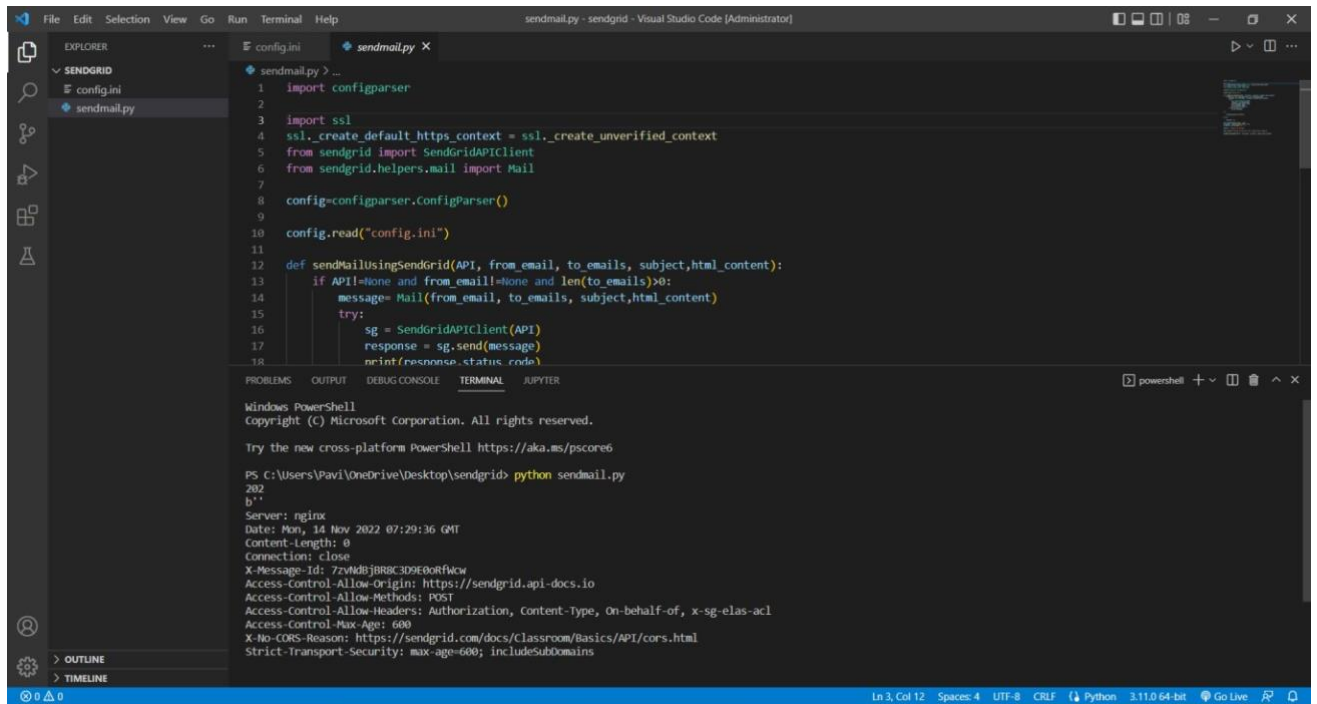
The status bar at the bottom indicates the current position is Line 4, Column 31, with 4 spaces, using UTF-8 encoding, CRLF line endings, and the file is an .ini type. The 'Go Live' extension icon is also visible.

Sendmail.py

```
import configparser
import ssl
ssl._create_default_https
_context =
subject,html = ADT1-Memo and 2020
message=
Mail(from_email,
to_emails,
```

```
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```

Running the python file through terminal



The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project named 'SENDGRID' with files 'config.ini' and 'sendmail.py'. The main editor displays the 'sendmail.py' file with the following code:

```
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)
```

The TERMINAL pane at the bottom shows the command prompt output:

```
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: 7zvldbj8R8C3D9E00rFw0w
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

