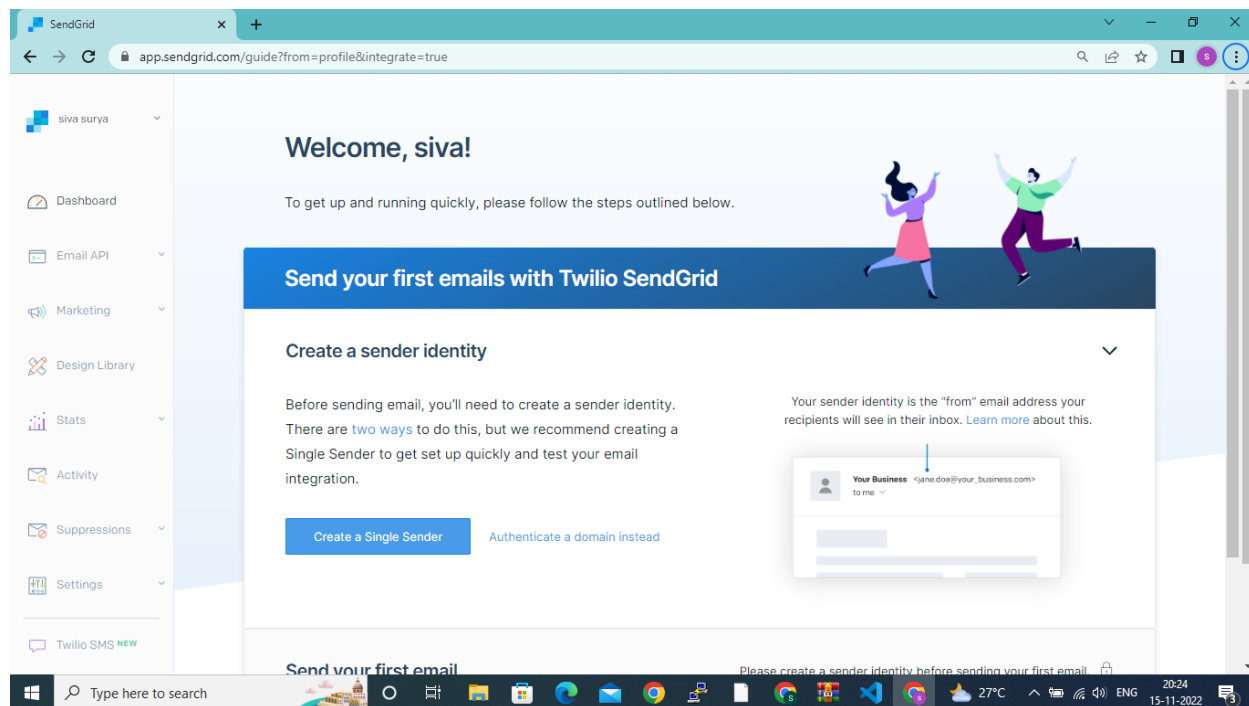
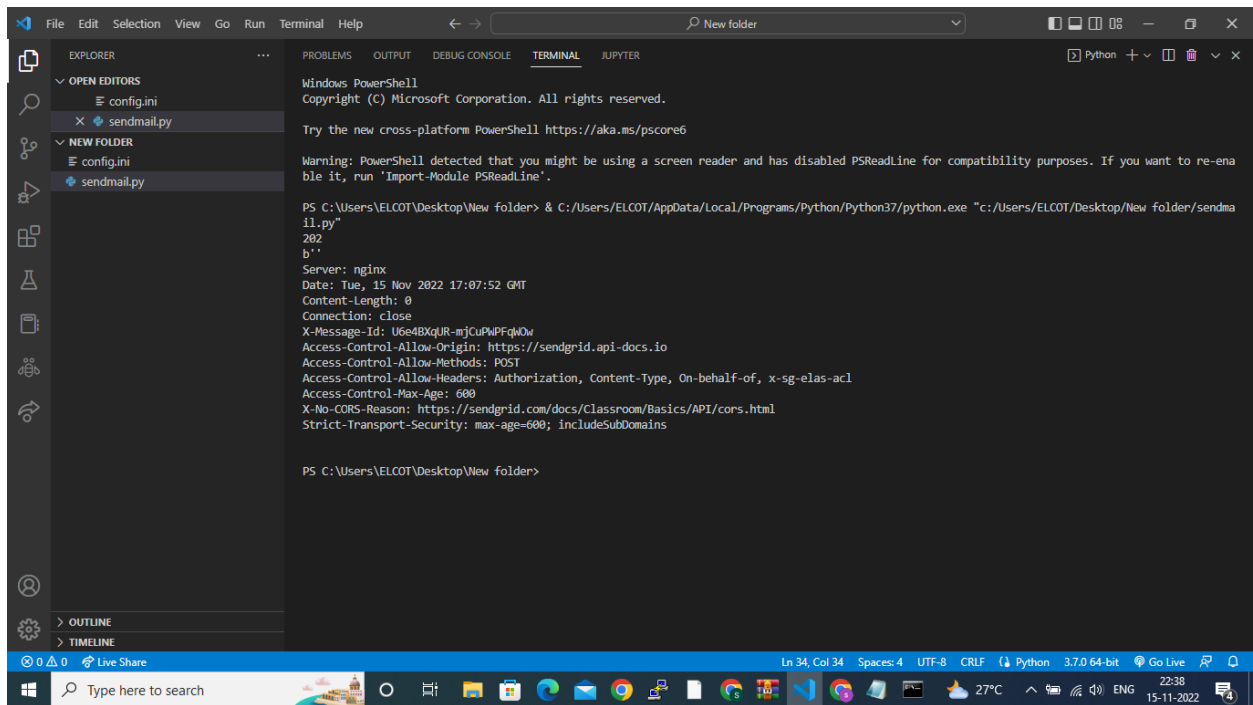


Sendgrid Integration With Python Code

DATE	27 October 2022
TEAM ID	PNT2022TMID26994
PROJECT NAME	Inventory Management System for Retailers





The screenshot shows the Visual Studio Code interface. On the left, the Explorer pane shows a file named `sendmail.py` under a 'NEW FOLDER'. The main editor area displays a terminal window with the following output:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

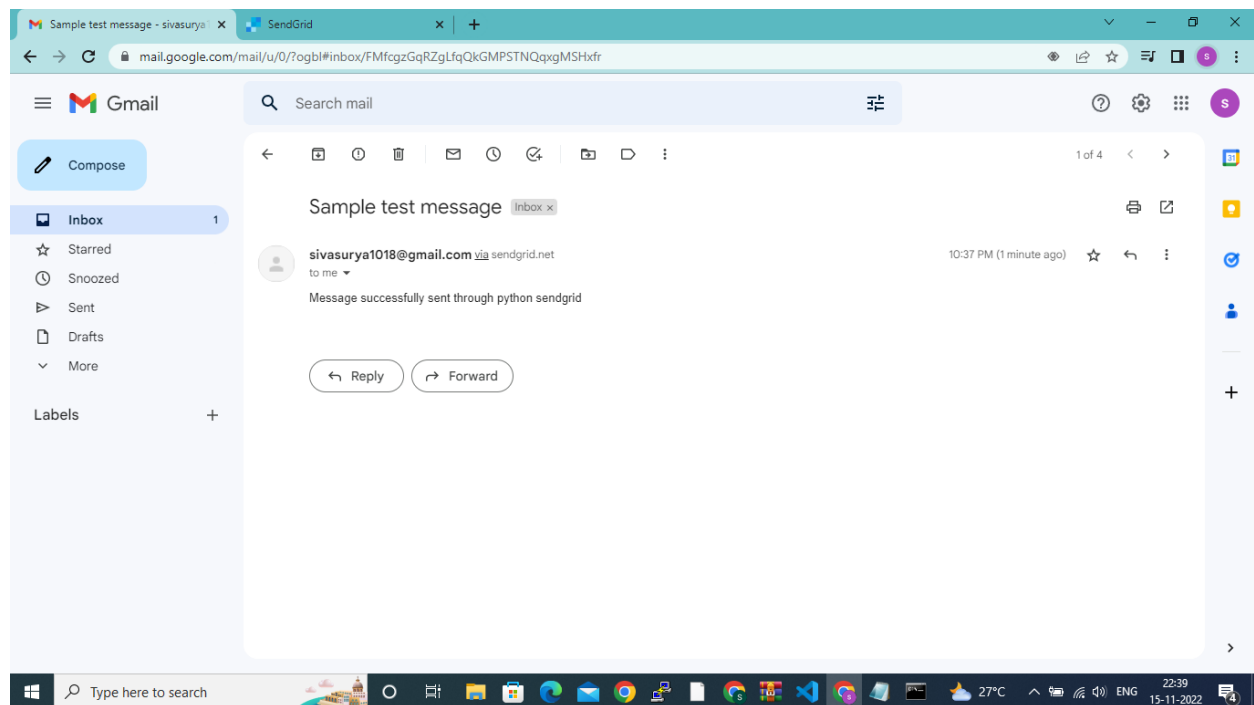
Try the new cross-platform PowerShell https://aka.ms/pscore6

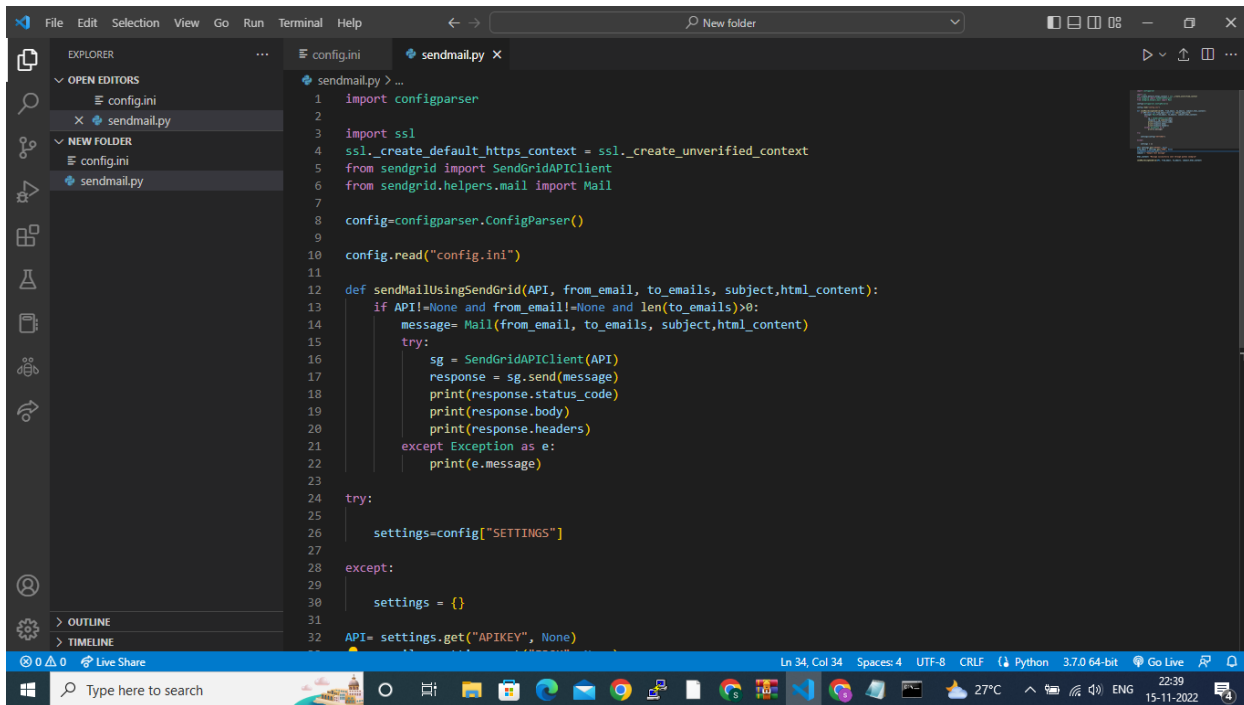
Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.

PS C:\Users\ELCOT\Desktop\New folder> & C:\Users\ELCOT\AppData\Local\Programs\Python\Python37\python.exe "c:/Users/ELCOT/Desktop/New folder/sendmail.py"
202
b''
Server: nginx
Date: Tue, 15 Nov 2022 17:07:52 GMT
Content-Length: 0
Connection: close
X-Message-Id: U6e4BXqUR-mjCuPwPFqW0w
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

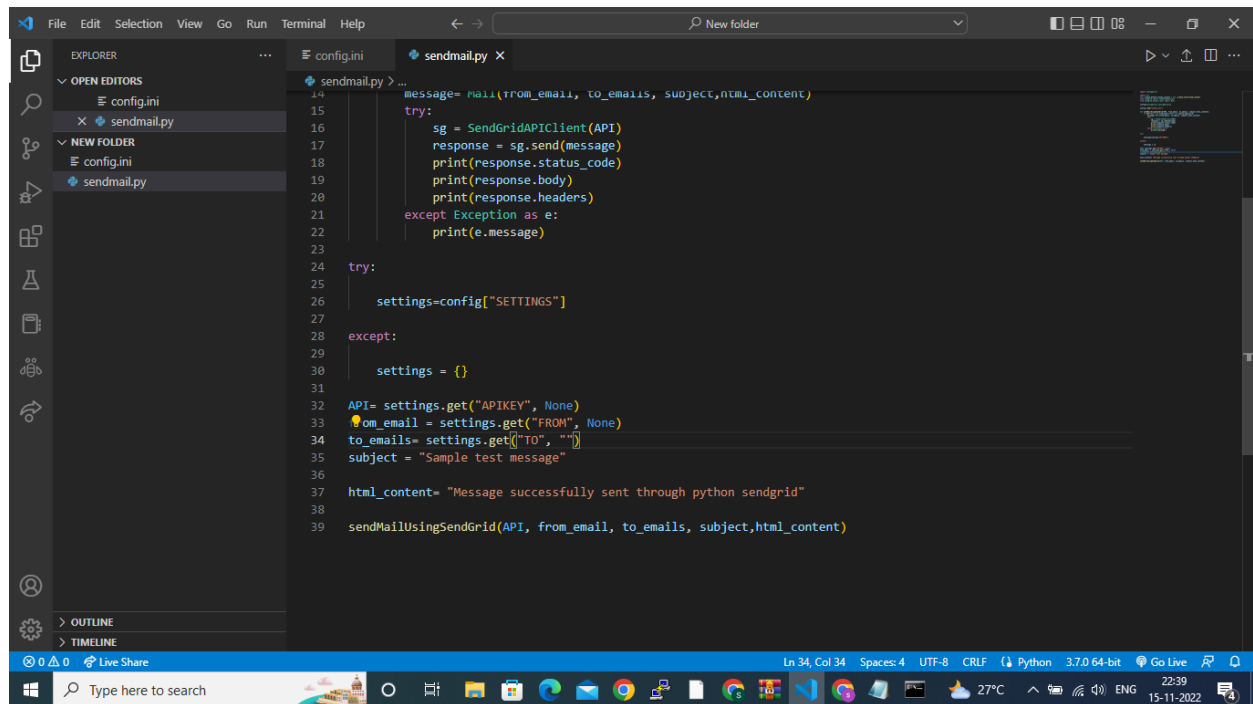
PS C:\Users\ELCOT\Desktop\New folder>
```

The status bar at the bottom indicates the file is at line 34, column 34, with 4 spaces, UTF-8 encoding, CRLF line endings, and Python 3.7.0 64-bit.





```
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)
19             print(response.body)
20             print(response.headers)
21         except Exception as e:
22             print(e.message)
23
24 try:
25     settings=config["SETTINGS"]
26 except:
27     settings = {}
28
29 API= settings.get("APIKEY", None)
30
31
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```



```
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)
19     print(response.body)
20     print(response.headers)
21 except Exception as e:
22     print(e.message)
23
24 try:
25     settings=config["SETTINGS"]
26 except:
27     settings = {}
28
29 API= settings.get("APIKEY", None)
30 from_email = settings.get("FROM", None)
31 to_emails= settings.get("TO", "")
32 subject = "Sample test message"
33
34 html_content= "Message successfully sent through python sendgrid"
35
36 sendMailUsingSendGrid(API, from_email, to_emails, subject,html_content)
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