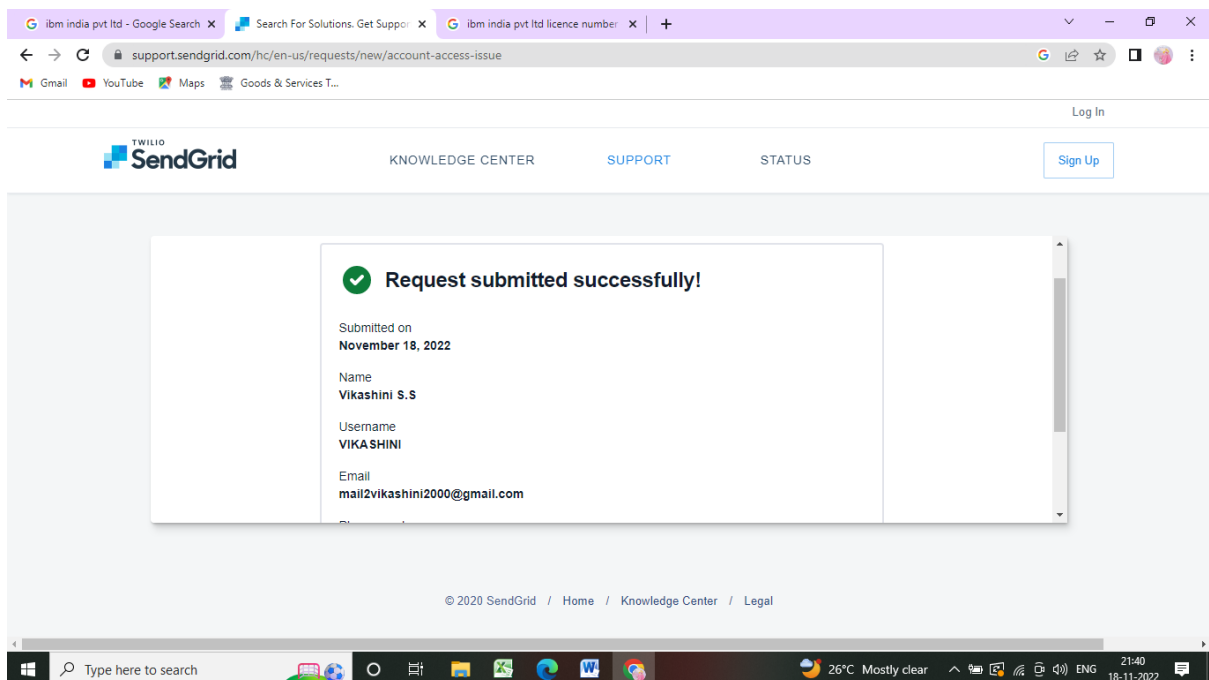
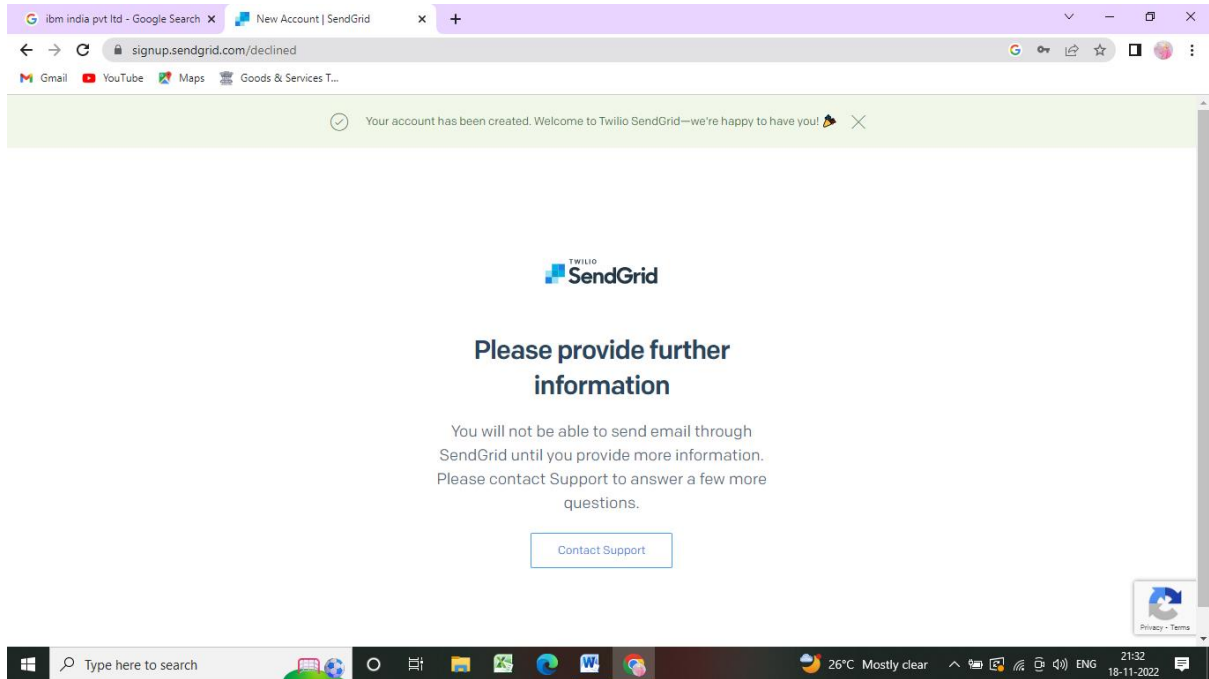
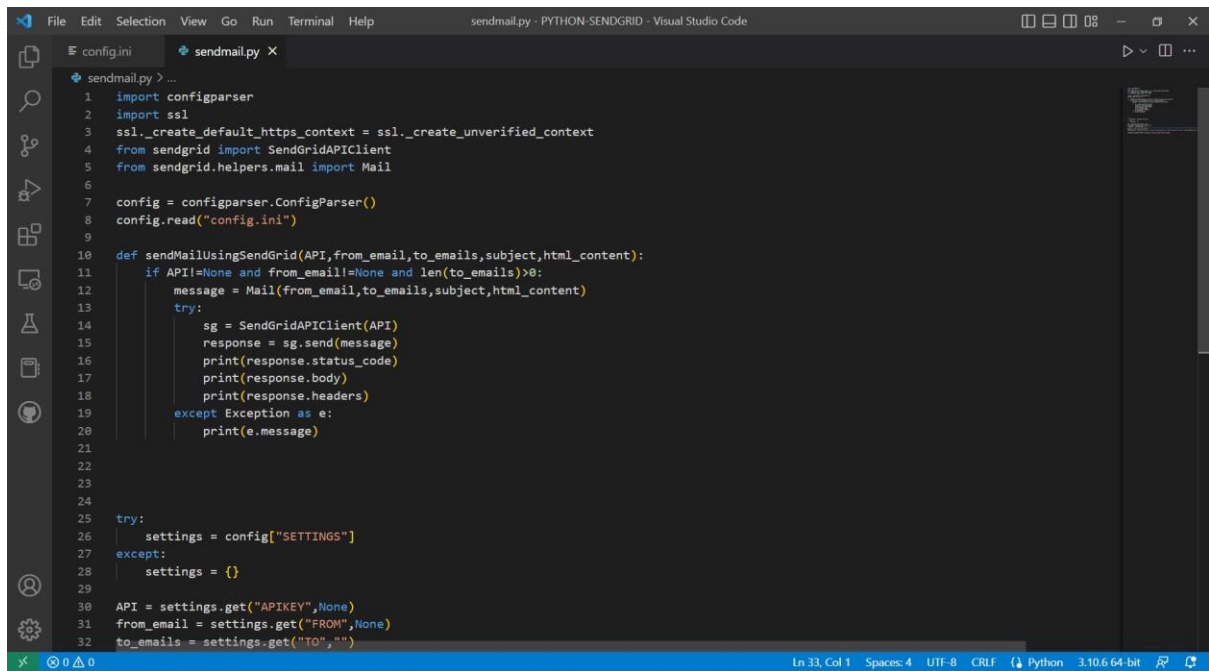


# SENDGRID INTEGRATION WITH PYTHON CODE

Date	18 November 2022
Team ID	PNT2022TMID25562
Project Name	Inventory Management System For Retailer



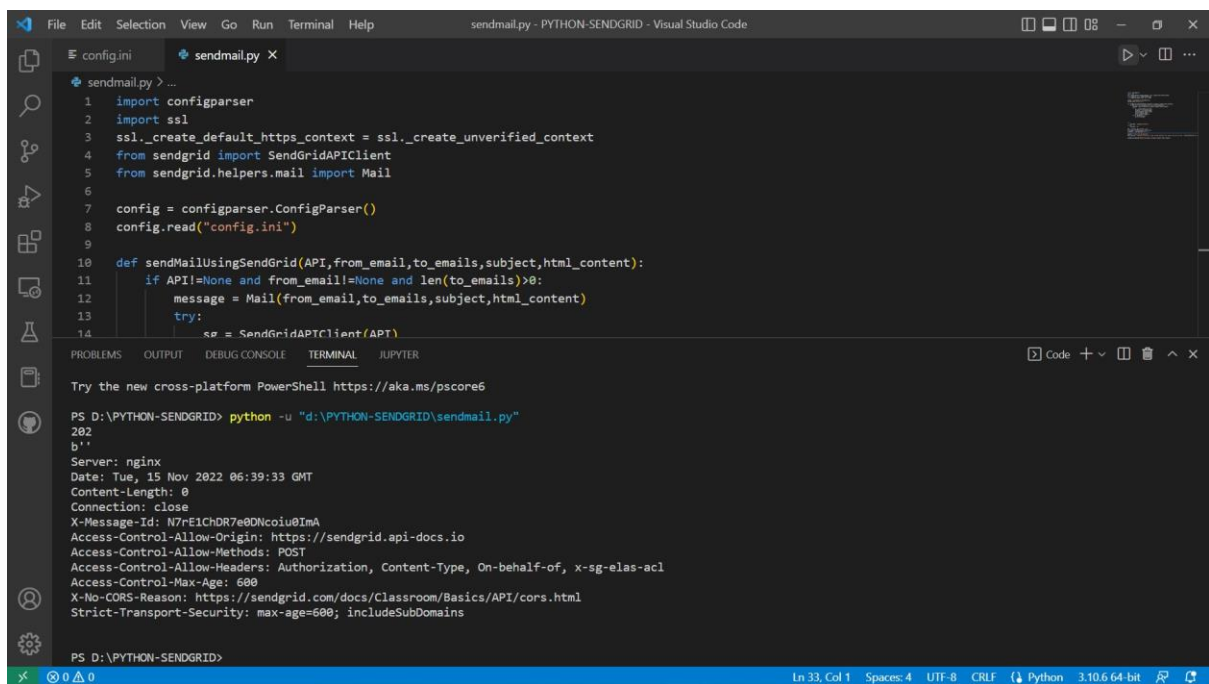


```
File Edit Selection View Go Run Terminal Help
sendmail.py - PYTHON-SENDGRID - Visual Studio Code

config.ini sendmail.py X

sendmail.py > ...
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
25 try:
26     settings = config["SETTINGS"]
27 except:
28     settings = {}
29
30 API = settings.get("APIKEY",None)
31 from_email = settings.get("FROM",None)
32 to_emails = settings.get("TO","")

Ln 33, Col 1 Spaces: 4 UTF-8 CRLF Python 3.10.6 64-bit
```



```
File Edit Selection View Go Run Terminal Help
sendmail.py - PYTHON-SENDGRID - Visual Studio Code

config.ini sendmail.py X

sendmail.py > ...
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
25 try:
26     settings = config["SETTINGS"]
27 except:
28     settings = {}
29
30 API = settings.get("APIKEY",None)
31 from_email = settings.get("FROM",None)
32 to_emails = settings.get("TO","")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\PYTHON-SENDGRID> python -u "d:\PYTHON-SENDGRID\sendmail.py"
202
b''
Server: nginx
Date: Tue, 15 Nov 2022 06:39:33 GMT
Content-Length: 0
Connection: close
X-Message-Id: N7rE1ChDR7e0DNcoiu0ImA
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 D:\PYTHON-SENDGRID>

Ln 33, Col 1 Spaces: 4 UTF-8 CRLF Python 3.10.6 64-bit
```