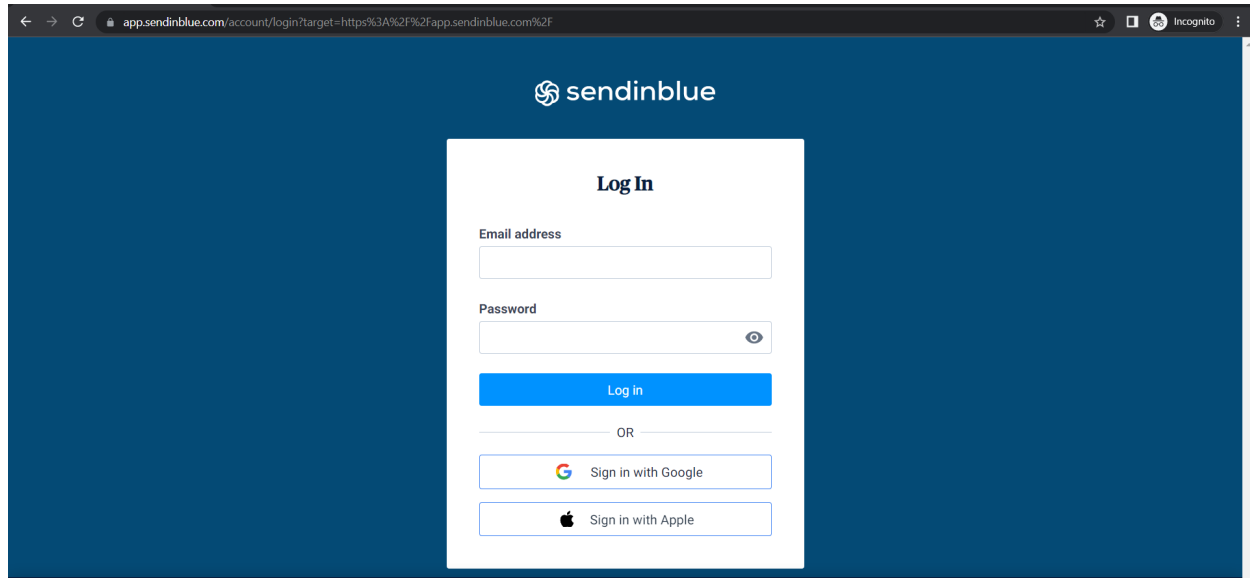


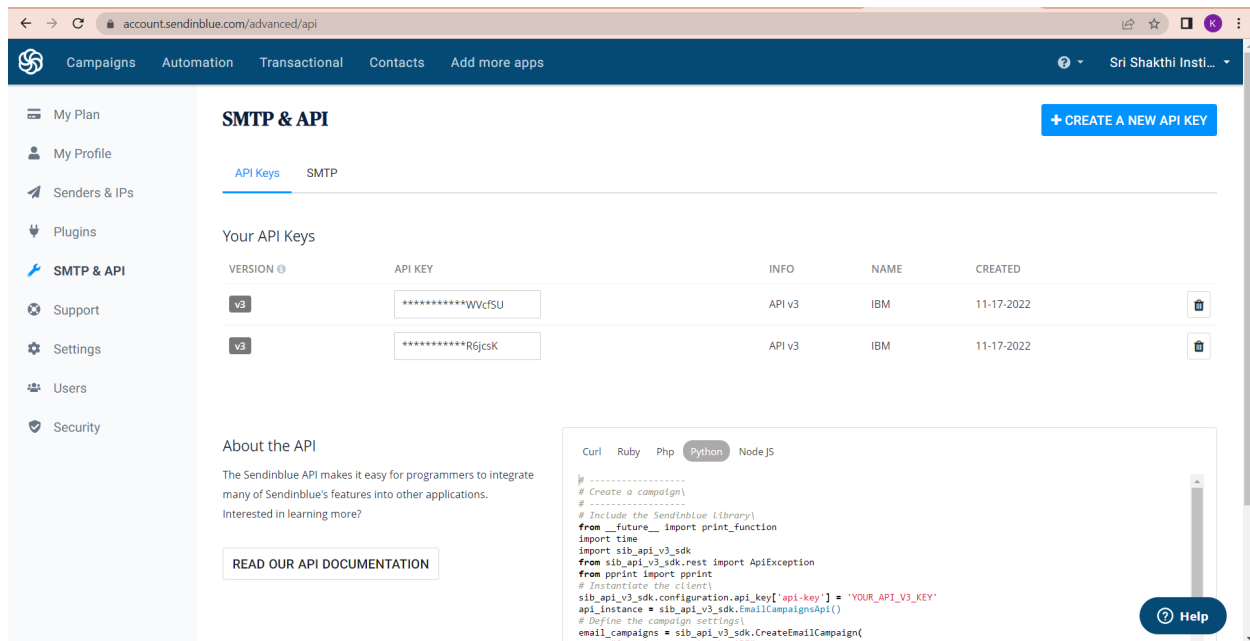
SENDGRID INTEGRATION WITH PYTHON CODE

TEAM ID	PNT2022TMID21069
PROJECT NAME	Inventory Management System for Retailers

STEP 1: Create and Login to the account in Sendgrid



STEP 2: Select the SMTP & API tab, then generate the API key.



STEP 3: Then integrate the service with Python code using the key

The image shows a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a project structure with folders 'main.py' and 'IBM', and files 'app.py' and 'main.py'. The main editor area displays a Python script named 'main.py' with the following code:

```
1 import sib_api_v3_sdk
2 from sib_api_v3_sdk.rest import ApiException
3 from pprint import pprint
4
5 configuration = sib_api_v3_sdk.Configuration()
6 configuration.api_key['api-key'] = 'xkeysib-746dd700cbb730186c8df0cc2d92984d086b01189f9f76dbb8c3b66eda801444-LKH5ZYdyA4WcfSU'
7
8 api_instance = sib_api_v3_sdk.TransactionalEmailsApi(sib_api_v3_sdk.ApiClient(configuration))
9 subject = "Alert Mail On Product Shortage! - Regards"
10 sender = {"name": "IMSIR", "email": "kavyaselvam50@gmail.com"}
11 to = [{"email": "kavyalatha48@gmail.com", "name": "Retailer"}]
12
13 # def alert(main_msg):
14 try:
15     html_content = "<html><body><h1>main msg</h1></body></html>"
16     send_smtp_email = sib_api_v3_sdk.SendSmtpEmail(to=to, html_content=html_content, sender=sender, subject=subject)
17     api_response = api_instance.send_transac_email(send_smtp_email)
18     pprint(api_response)
19     print("Mail sent successfully!")
20 except ApiException as e:
21     print("Exception when calling SMTPApi->send_transac_email: %s\n" % e)
```

Below the code editor, the TERMINAL panel is active, showing the output of the script execution in a Windows PowerShell environment:

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\ashok\Desktop\IBM> & "C:/Program Files/Python311/python.exe" c:/Users/ashok/Desktop/IBM/main.py
{'message_id': '<202211171247.22467288052@smtp-relay.mailin.fr>',
 'message_ids': None}
Mail sent successfully!
PS C:\Users\ashok\Desktop\IBM>
```

The status bar at the bottom indicates the current line and column (Ln 20, Col 26), encoding (UTF-8), line endings (CRLF), and the Python interpreter path (Python 3.11.0 64-bit).