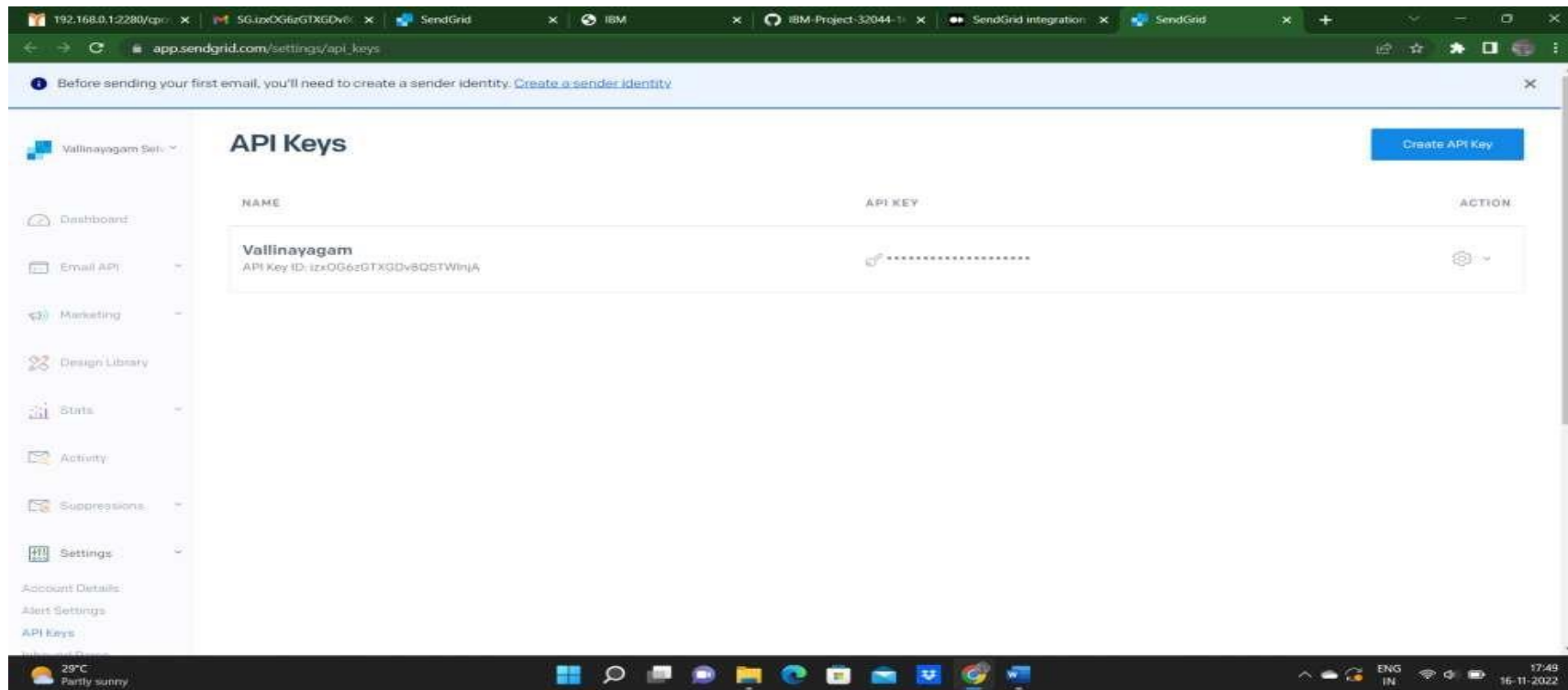



Team ID: PNT2022TMID41099

Integrating SendGrid Service

SendGrid Integration With Python Code



Creating a Virtual Environment “Email Test” and creating mail.py file with the following code inside the virtual environment

A screenshot of a code editor window with a dark theme. The window has two tabs: 'Welcome' and 'mail.py'. The 'mail.py' tab is active, showing a Python script. The script is numbered 1 through 13. The code imports 'sendgrid' and 'os', then imports from 'sendgrid.helpers.mail'. It creates a 'SendGridAPIClient' with a specific API key, sets 'from_email' and 'to_email' using 'Email' and 'To' classes, sets a 'subject' and 'content' using 'Content' class. It then creates a 'Mail' object and sends it using 'mail.send.post'. Finally, it prints the status code, body, and headers of the response. The file path in the top bar is 'C:\Users\jayan>OneDrive\Desktop>mail.py'.

```
C:\Users\jayan>OneDrive\Desktop>mail.py
1  import sendgrid
2  import os
3  from sendgrid.helpers.mail import *
4  sg=sendgrid.SendGridAPIClient(api_key='SG.Dxs09JJ3eSd03FNFvoSA tqA.zwqb bef4P40e_B365G30sqk9cvfRpmvKjnzHiC rez_k')
5  from_email=Email("jayanthika82001@gmail.com")
6  to_email=To("jayanthikaj19it040@gmail.com")
7  subject="Sending with Sendgrid is Fun"
8  content=Content("text/plain","and easy to do anywhere,even with Python")
9  mail=Mail([from_email,to_email,subject,content])
10 response=sg Loading... mail.send.post(request_body=mail.get())
11 print(response.status_code)
12 print(response.body)
13 print(response.headers)
```

Running the python file through the terminal

```
C:\Users\jayan> OneDrive\Desktop > mail.py > ...
1 import sendgrid
2 import os
3 from sendgrid.helpers.mail import *
4 sg=sendgrid.SendGridAPIClient(api_key='SG.Dxs09JJJeSd03FNfvoSATqA.zwqbbef4P40e_B365G30sqk9cvfRpmvKjnzH1Cnez_k')
5 from_email=Email("jayanthika82001@gmail.com")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: Python + [] ^ x

PS C:\Users\jayan> & python c:/Users/jayan/OneDrive/Desktop/mail.py
202
b''
Server: nginx
Date: Tue, 08 Nov 2022 12:19:29 GMT
Content-Length: 0
Connection: close
X-Message-Id: _l3DlhYrQzeslsZNL-qz9g
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\jayan>
```