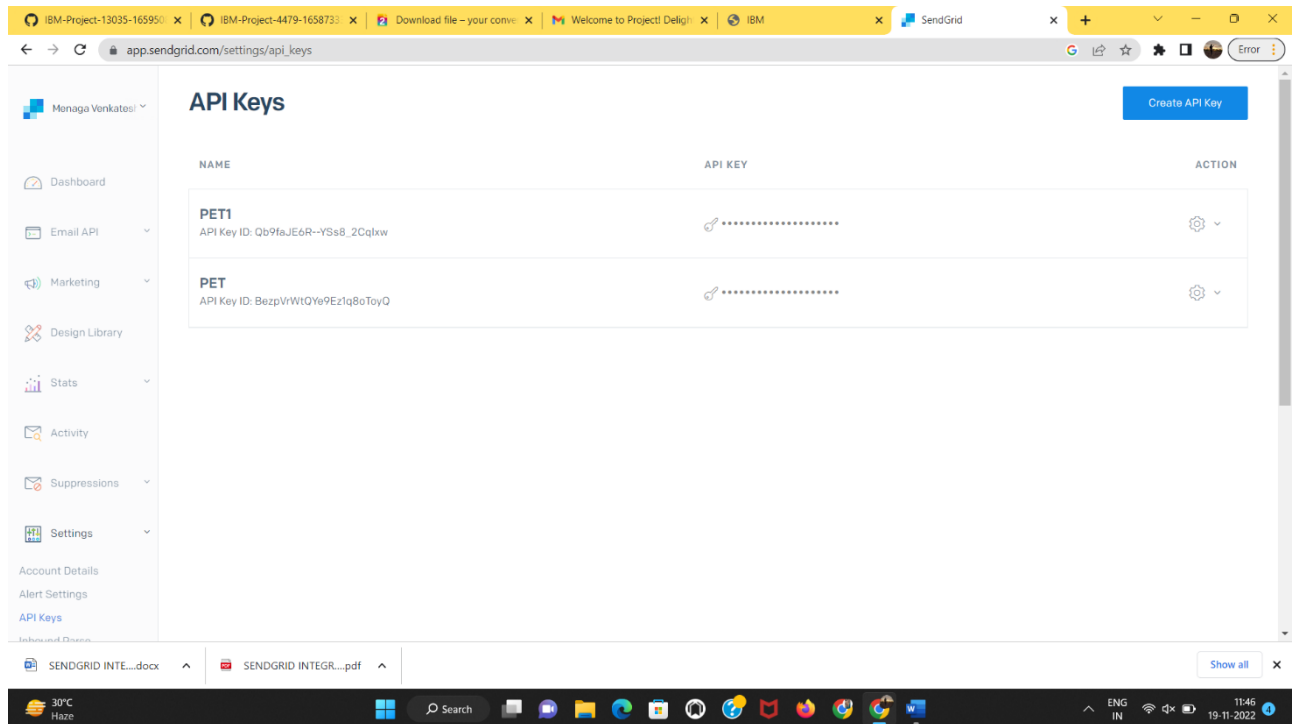


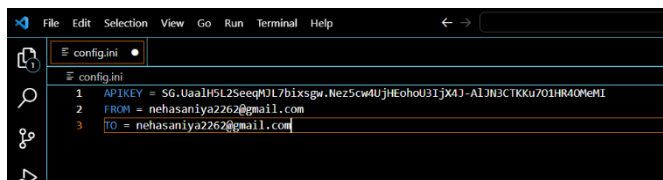
SENDGRID INTEGRATION WITH PYTHON CODE

Team ID	PNT2022TMID08239
Project Name	PERSONAL EXPENSE TRACKER APPLICATION

CREATING API KEYS



Config.ini



Sendmail.py

```
Get Started  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     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
33
34     subject = "Sample test message"
35     html_content = "Message successfully sent through python sendgrid"
36
37     sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content)
```

Running the python file through terminal

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  JUPYTER
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

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

PS C:\Users\mahal\OneDrive\Desktop\bode> python sendmail.py
202
b''
Server: mahal
Date: Sat, 12 Nov 2022 18:57:52 GMT
Content-Length: 0
Connection: close
X-Message-Id: HGEZFkgARU2yEtwrg9DZ4w
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\mahal\OneDrive\Desktop\bode> 
```

Mail received

