# SENDGRID INTEGRATION WITH PYTHON CODE

| Team ID | PNT2022TMID01338 |
|---|---|
| Project Name | PERSONAL EXPENSE TRACKER APPLICATION |

## CREATING API KEYS
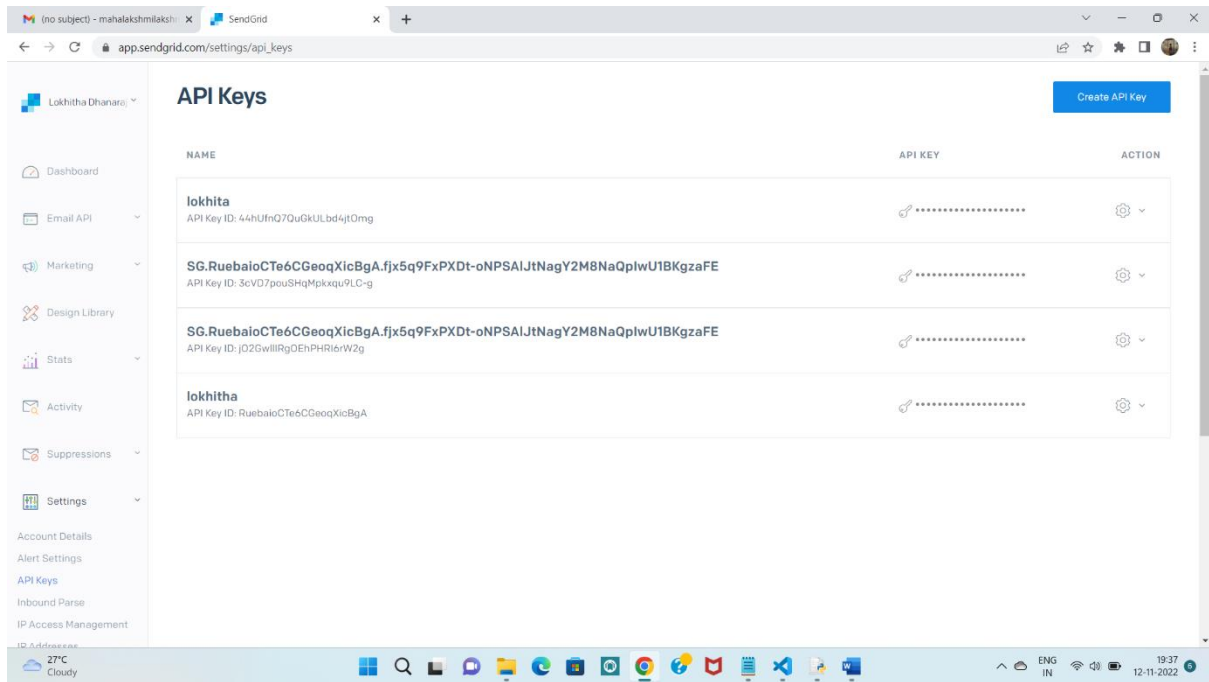


## Config.ini

**Sendmail.py**

```python
import configparser
import ssl
ssl._create_default_https_context = ssl._create_unverified_context
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail

config = configparser.ConfigParser()
config.read("config.ini")

def sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content):
    if API!=None and from_email!=None and len(to_emails)>0:
        message = Mail(from_email,to_emails,subject,html_content)
        try:
            sg = SendGridAPIClient(API)
            response = sg.send(message)
            print(response.status_code)
            print(response.body)
            print(response.headers)
        except Exception as e:
            print(e.message)



try:
    settings = config["SETTINGS"]
except:
    settings = {}

    API = settings.get("APIKEY",None)
    from_email = settings.get("FROM",None)
    to_emails = settings.get("TO","")


    subject = "Sample test message"
    html_content = "Message successfully sent through python sendgrid"

    sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content)
```

**Running the python file through terminal**

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    JUPYTER

Windows PowerShell
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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**