

INTEGRATING SENDGRID SERVICE

config.ini

```
[SETTINGS]
APIKEY=SG.RYxfSb8XQCeI0T1hq_BTzw.J9kCUOmME0_Ff811XGiKrU-M1F-Atj2qZRjWdavua:

FROM=plasmavive@gmail.com
TO=matheethil@gmail.com,durga19cse004@gmail.com
```

Senmail.py

sendmail.py - C:\Users\Rithiha\OneDrive\Desktop\Naalaiyathiran\python-sendgrid\sendmail...

File Edit Format Run Options Window Help

```
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 = "testing of sendgrid"

html_content = "login succesfull"

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

Output:

```
Command Prompt
C:\Users\Rithiha\OneDrive\Desktop\Naalaiyathiran\python-sendgrid>sendmail.py
Traceback (most recent call last):
  File "C:\Users\Rithiha\OneDrive\Desktop\Naalaiyathiran\python-sendgrid\sendmail.py", line 4, in <module>
    from sendgrid import SendGridAPIClient
ModuleNotFoundError: No module named 'sendgrid'

C:\Users\Rithiha\OneDrive\Desktop\Naalaiyathiran\python-sendgrid>
C:\Users\Rithiha\OneDrive\Desktop\Naalaiyathiran\python-sendgrid>pip install sendgrid
Collecting sendgrid
  Downloading sendgrid-6.9.7-py3-none-any.whl (101 kB)
    ----- 101.1/101.1 kB 528.0 kB/s eta 0:00:00
Collecting starkbank-ecdsa==2.0.1
  Downloading starkbank-ecdsa-2.0.1.tar.gz (14 kB)
  Preparing metadata (setup.py) ... done
Collecting python-http-client==3.2.1
  Downloading python-http-client-3.3.7-py3-none-any.whl (8.4 kB)
Installing collected packages: starkbank-ecdsa, python-http-client, sendgrid
  DEPRECATION: starkbank-ecdsa is being installed using the legacy 'setup.py install' method, because it does not have a 'pyproject.toml' and the 'wheel' package is not installed. pip 23.1 will enforce this behaviour change. A possible replacement is to enable the '--use-pep517' option. Discussion can be found at https://github.com/pypa/pip/issues/8559
  Running setup.py install for starkbank-ecdsa ... done
Successfully installed python-http-client-3.3.7 sendgrid-6.9.7 starkbank-ecdsa-2.2.0

C:\Users\Rithiha\OneDrive\Desktop\Naalaiyathiran\python-sendgrid>sendmail.py
202
b''
Server: nginx
Date: Fri, 18 Nov 2022 08:47:33 GMT
Content-Length: 0
Connection: close
X-Message-Id: z4scDoEhSsmDzzi-RowS9A
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

C:\Users\Rithiha\OneDrive\Desktop\Naalaiyathiran\python-sendgrid>
```

