

# INTEGRATING SENDGRID SERVICE

TEAM ID	PNT2022TMID01360
PROJECT NAME	SMART FASHION RECOMMENDER APPLICATION

## Sendgrid.py:

```
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_email,subject,html_content):
    if API!=None and from_email!=None and len(to_email)>0:
        message = Mail(from_email,to_email,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 Email using Sendgrid by team id PNT2022TMID01360"
html_content = "Message successfully sent through Python sendgrid"

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

### Config.ini:

```
[SETTINGS]
APIKEY = "your api key"
FROM = "from@gmail.com"
TO = to@gmail.com
```

**Terminal:**

The image shows a Visual Studio Code editor window with two tabs: 'config.ini' and 'app.py'. The 'app.py' tab is active, displaying a Python script. The script defines a 'settings' dictionary, sets an 'APIKEY', and defines email-related variables. Below the script, the 'TERMINAL' panel shows the command to run the script and its output, which includes a simulated HTTP request from 'nginx' with various headers and a status code of 202.

```
config.ini app.py X
```

```
app.py > ...
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","")
```

```
PROBLEMS DEBUG CONSOLE TERMINAL JUPYTER Python + - [ ] [ ] ^ X
```

```
PS C:\Users\pavit\OneDrive\Desktop\IBM\DB2-flask> & "C:/Program Files/Python310/python.exe" c:/Users/pavit/OneDrive/Desktop/IBM/DB2-flask/app.py
202
b''
Server: nginx
Date: Fri, 18 Nov 2022 16:05:26 GMT
Content-Length: 0
Connection: close
X-Message-Id: XENeGD3yQoWAco1ATcMF3w
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-elias-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\pavit\OneDrive\Desktop\IBM\DB2-flask> [ ]
```

**Mail Snippet:**

