

## INTEGRATING SENDGRID SERVICE

### SendGrid Integration with Python Code

<b>TEAM ID</b>	PNT2022TMID11404
<b>Project Name</b>	Nutrition Assistant Application

#### Config.ini

```
≡ config.ini
1  [SETTINGS]
2  APIKEY=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
3  FROM=pradheeksha15@gmail.com
4  TO=pratthu1525@gmail.com
```

## SendMail.py

```
Sendmail.py > sendMailUsingSendGrid
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
8  config = configparser.ConfigParser()
9  config.read("config.ini")
10
11 def sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content):
12     if API!=None and from_email!= None and len(to_emails)>0:
13         message = Mail(from_email,to_emails,subject,html_content)
14         try:
15             sg = SendGridAPIClient(API)
16             response = sg.send(message)
17             print(response.status_code)
18             print(response.body)
19             print(response.headers)
20         except Exception as e:
21             print(e.message)
22
23     try:
24         settings = config["SETTINGS"]
25     except:
26         settings = {}
27
28     API = settings.get("APIKEY",None)
29     from_email = settings.get("FROM",None)
30     to_emails = settings.get("TO","")
31
32     subject = "testing of sendgrid"
33
34     html_content = "Message successfully send through Python sendgrid"
35     sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content)
```

## Output :

