

## Deployment of App in IBM Cloud

### SendGrid Integration with Python Code

TEAM ID	PNT2022TMID11404
Project Name	Nutrition Assistant Application

#### Config.ini

```
≡ config.ini
1  [SETTINGS]
2  APIKEY=SG.dP42omLNTPiez2ZGAZLb3g.qUPV7sAz23_i__Qs6IuXPitmP5GlkutPiUGIHxAM7Y
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 :

