

# Integrating SendGrid Service

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Project Name	Project – Customer Care Registry

## 1. Send integration with python code

The screenshot shows the Visual Studio Code interface with a Python script named `Sendgrid.py` open. The script imports `SendGridAPIClient` and `Mail` from the `sendgrid` library. It creates a `Mail` object with a from\_email, to\_email, subject, and html\_content. Then, it uses `SendGridAPIClient` to send the email and prints the response details.

```
1 from sendgrid import SendGridAPIClient
2 from sendgrid.helpers.mail import Mail
3
4 message = Mail(
5     from_email='IBMCustomerCareRegistry@gmail.com',
6     to_emails='varshini02122001@gmail.com',
7     subject='Sending with Twilio SendGrid is fun',
8     html_content='<strong>and easy to do anywhere, even with Python</strong>')
9
10 try:
11     sg = SendGridAPIClient('SG.LuKtk2P2Q26ZTK6U_FeHw.INL7R0U35rtICLUGL9Gw9o_bgdXAD-H4WSmo0fHauA')
12     response = sg.send(message)
13     print(response.status_code)
14     print(response.body)
15     print(response.headers)
16 except Exception as e:
17     print(e.message)
```

The terminal output shows the command to run the script and the resulting HTTP response from SendGrid:

```
PS C:\Users\VARSHINI\OneDrive\Documents\Assignments> cd 'c:\Users\VARSHINI\OneDrive\Documents\Assignments' & 'c:\Program Files\Python39\python.exe' 'c:\Users\VARSHINI\vscode\extensions\ms-python.python-2021.10.1365161279\python\files\lib\python\debuggy\launcher' '56748' '-.' 'c:\Users\VARSHINI\OneDrive\Documents\Assignments\Sendgrid.py'
202
b''
Server: nginx
Date: Sat, 19 Nov 2022 05:19:33 GMT
Content-Length: 0
Connection: close
X-Message-Id: oN8E8WMSfyx_9oYrVlV9A
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
```