Integrating SendGrid Service

SendGrid Integration With Python Code

Date	08 November, 2022
Team ID	PNT2022TMID27137
Project Name	Personal Expense Tracker Application

Creating an API Key
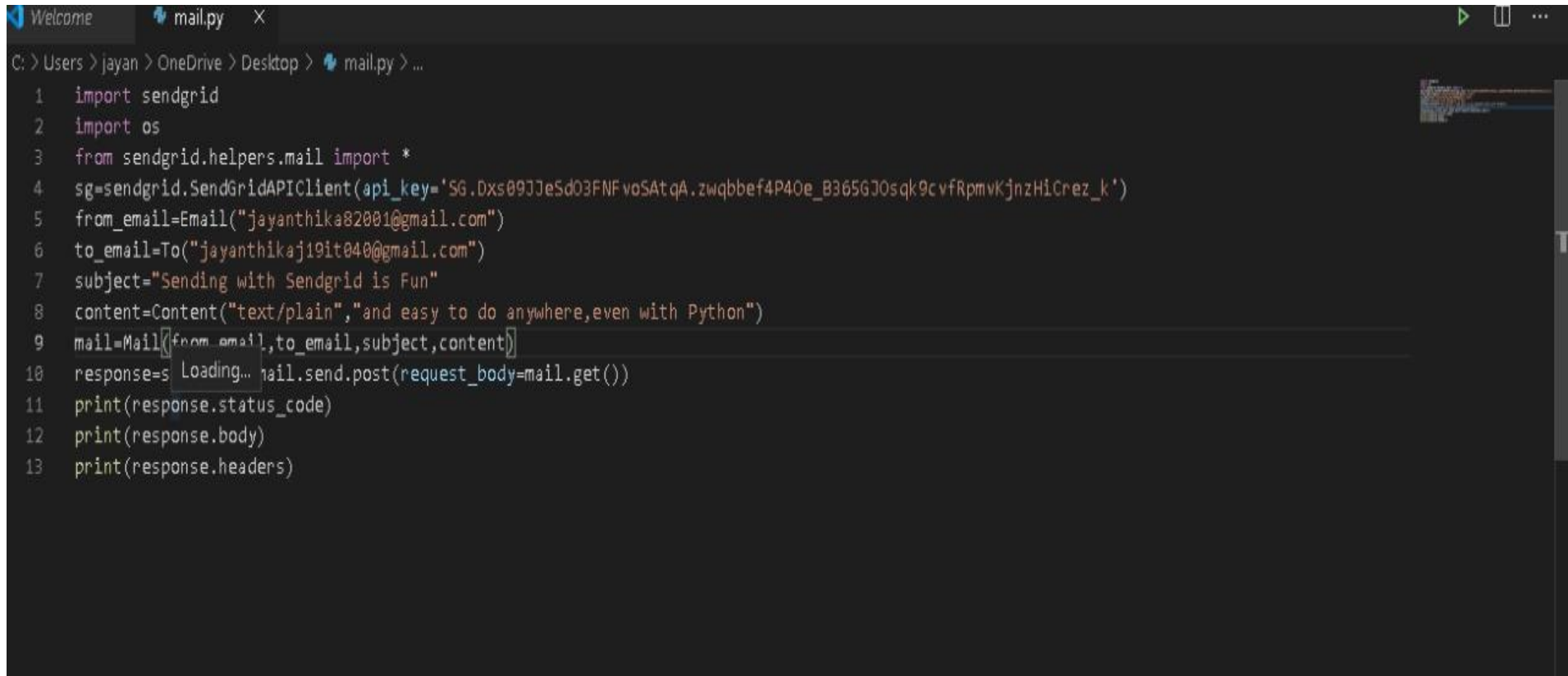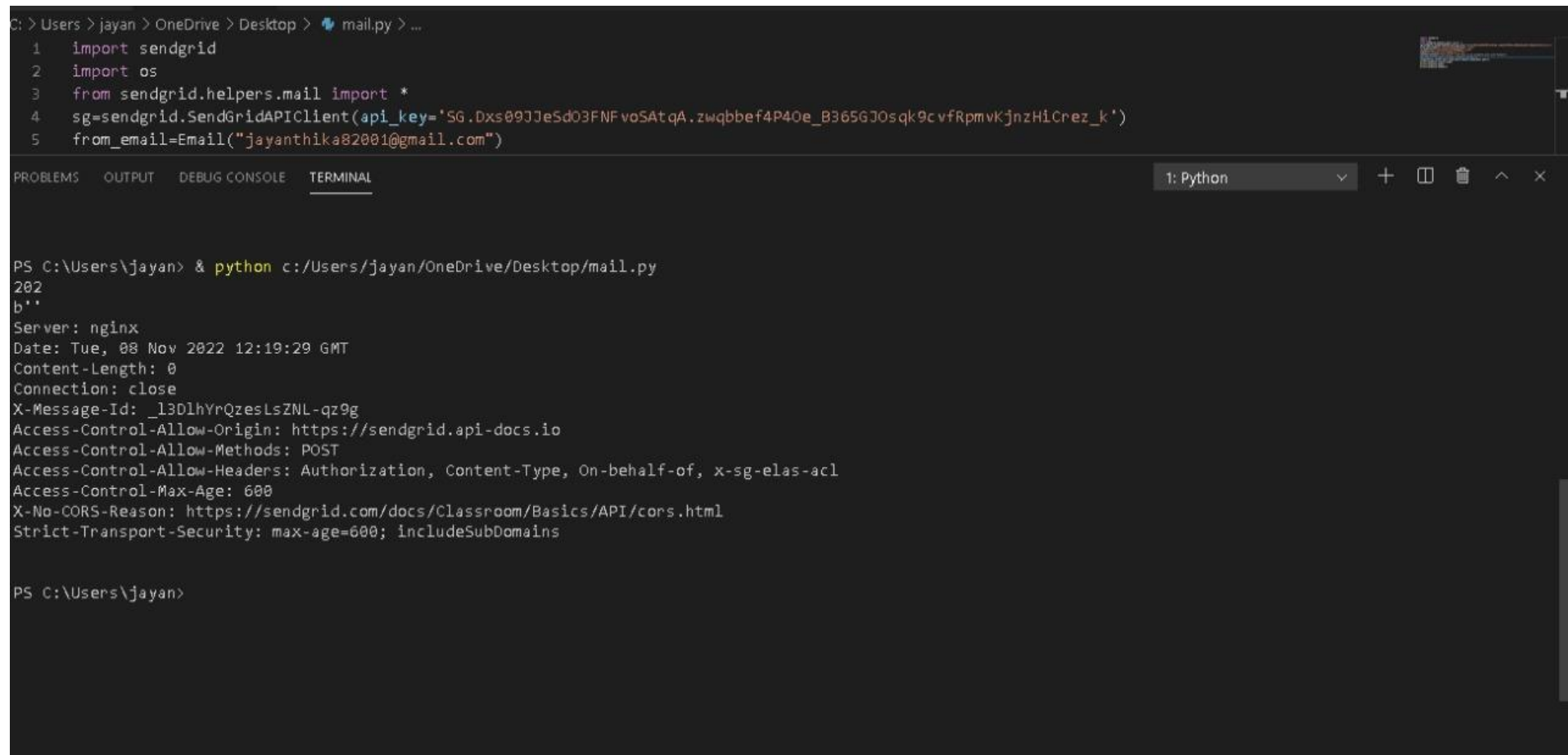
Creating a Virtual Environment "EmailTest" and creating mail.py file with the following code inside the virtual environment

```
Welcome        mail.py    X

C: > Users > jayan > OneDrive > Desktop >    mail.py > ...
 1    import sendgrid
 2    import os
 3    from sendgrid.helpers.mail import *
 4    sg=sendgrid.SendGridAPIClient(api_key='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')
 5    from_email=Email("jayanthika82001@gmail.com")
 6    to_email=To("jayanthikaj19it040@gmail.com")
 7    subject="Sending with Sendgrid is Fun"
 8    content=Content("text/plain","and easy to do anywhere,even with Python")
 9    mail=Mail(from_email,to_email,subject,content)
10    response=s  Loading... mail.send.post(request_body=mail.get())
11    print(response.status_code)
12    print(response.body)
13    print(response.headers)
```

Running the python file through the terminal

```
C: > Users > jayan > OneDrive > Desktop > ⬤ mail.py > ...
 1    import sendgrid
 2    import os
 3    from sendgrid.helpers.mail import *
 4    sg=sendgrid.SendGridAPIClient(api_key='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')
 5    from_email=Email("jayanthika82001@gmail.com")
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   1: Python

```
PS C:\Users\jayan> & python c:/Users/jayan/OneDrive/Desktop/mail.py
202
b''
Server: nginx
Date: Tue, 08 Nov 2022 12:19:29 GMT
Content-Length: 0
Connection: close
X-Message-Id: _l3DlhYrQzesLsZNL-qz9g
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


PS C:\Users\jayan>
```

Test mail received via SendGrid