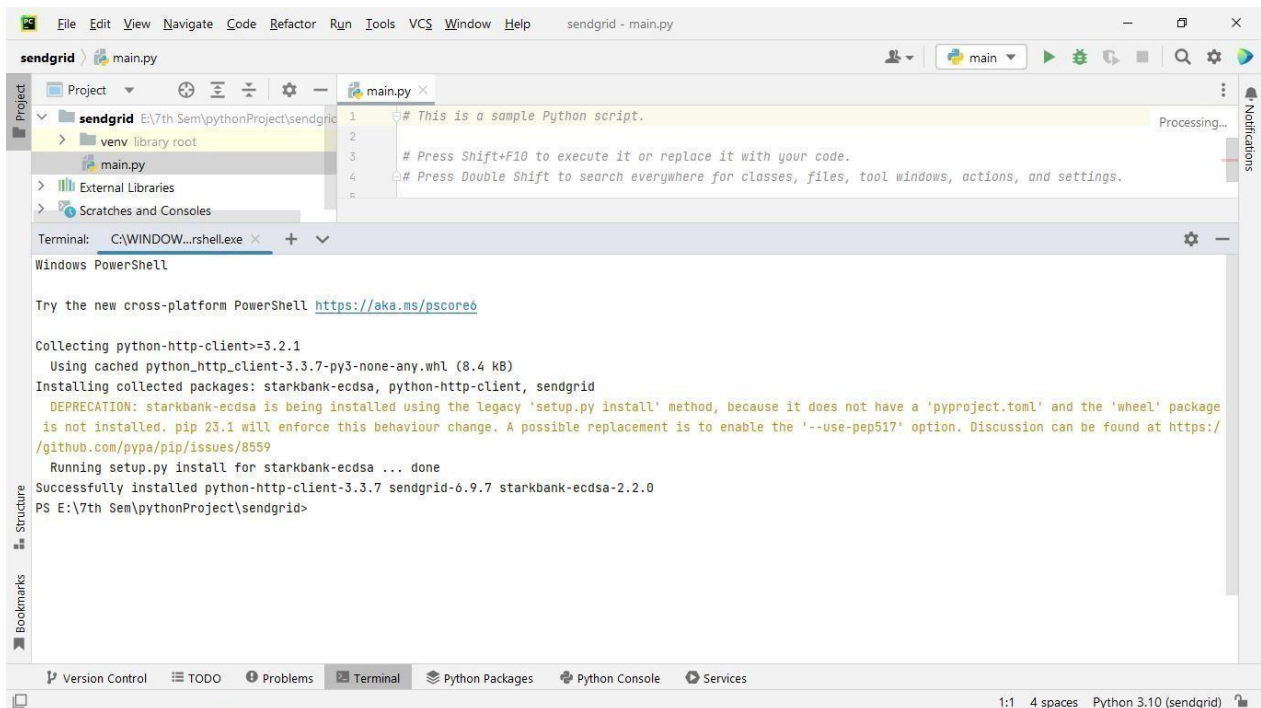


INTEGRATING SENDGRID SERVICE

TEAM ID	PNT2022TMID33429
PROJECT NAME	PERSONAL EXPENSE TRACKER APPLICATION

SendGrid Integration With Python Code

To send emails from the application we need to integrate the SendGrid Service.
Pleasereference link.



The screenshot shows a Visual Studio Code editor window titled 'sendgrid - main.py'. The editor displays a Python script in 'main.py' with the following content:

```
1 # This is a sample Python script.  
2  
3 # Press Shift+F10 to execute it or replace it with your code.  
4 # Press Double Shift to search everywhere for classes, files, tool windows, actions, and settings.  
5
```

Below the editor, a terminal window is open, showing the output of a pip installation command. The output indicates that the packages 'starkbank-ecdsa', 'python-http-client', and 'sendgrid' are being installed. The terminal also shows a deprecation warning for 'starkbank-ecdsa' and a successful installation message for 'python-http-client-3.3.7', 'sendgrid-6.9.7', and 'starkbank-ecdsa-2.2.0'.

Code:

```
import sendgrid  
import os  
from sendgrid.helpers.mail import Mail, Email, To, Content  
sg = sendgrid.SendGridAPIClient(api_key=os.environ.get('SENDGRID_API_KEY'))  
from_email = Email("shakthidharunr@gmail.com")  
to_email = To("20euit510@skcet.ac.in")  
subject = "Personal Expense Tracker Application"  
content = Content("text/plain", "IBM Nalaiya Thiran Project")  
mail = Mail(from_email, to_email, subject, content)  
mail_json = mail.get()  
response = sg.client.mail.send.post(request_body=mail_json)  
print(response.status_code)  
print(response.headers)
```