

Integrating SendGrid Service

SendGrid Integration With Python Code

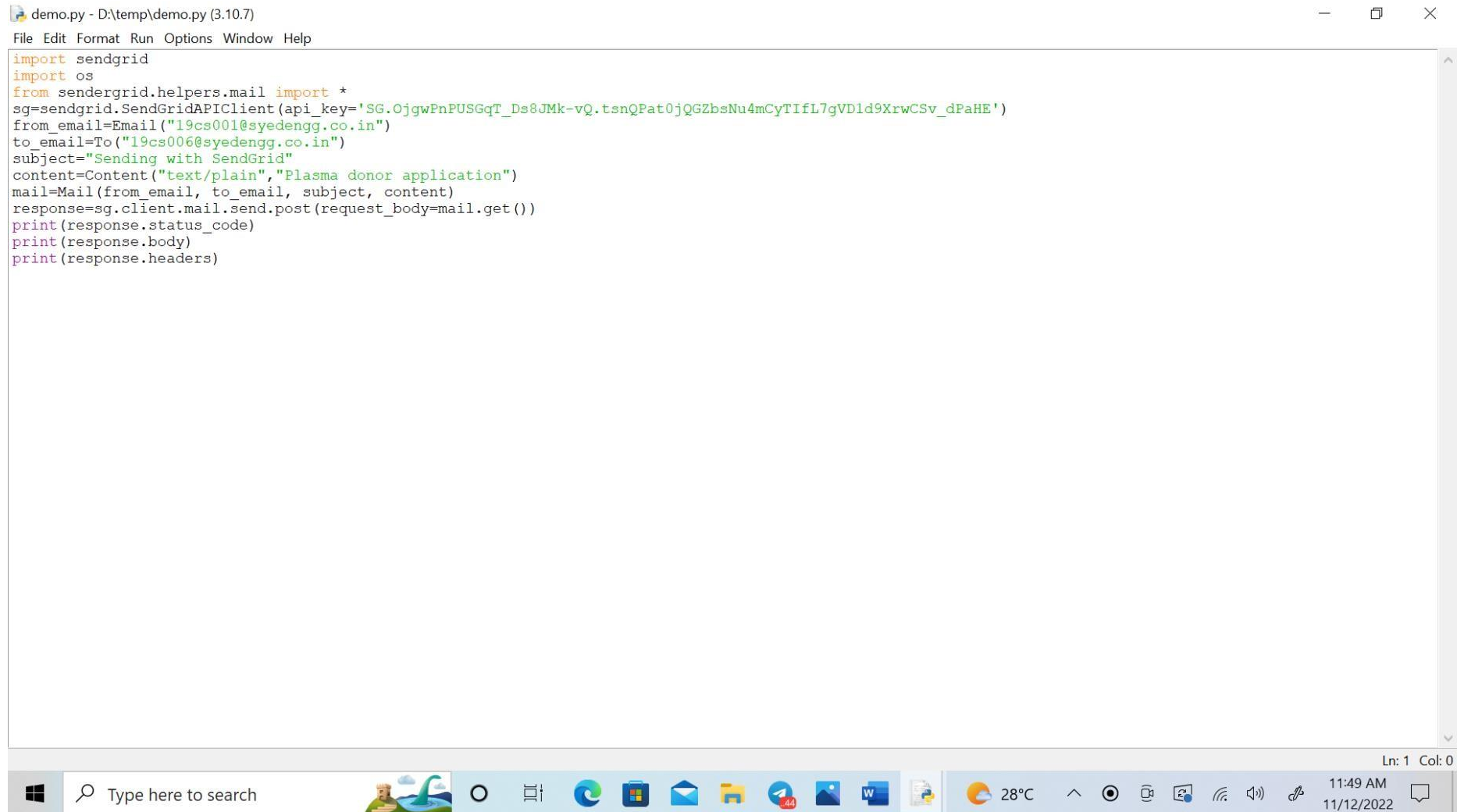
Date	09 November 2022
Team ID	PNT2022TMID49331
Project Name	Plasma Donor Application

Creating an API Key

The screenshot shows the SendGrid web interface in a browser window. The address bar displays 'app.sendgrid.com/settings/api_keys'. A notification banner at the top reads: 'Ready to send your first email? Follow our guides for Email API or Marketing Campaigns. [Let's do it!](#)'. The left sidebar shows the user 'Aarthi Sankar' and a menu with options: Dashboard, Email API, Marketing, Design Library, Stats, Activity, and Suppressions. The main content area is titled 'API Keys' and features a 'Create API Key' button in the top right. Below the title is a table with columns 'NAME', 'API KEY', and 'ACTION'. The table contains one entry for 'Aarthi' with the API Key ID 'OjgwPnPUSGqT_Ds8JMk-vQ'. The API key itself is masked with dots and a key icon. An action menu with a gear icon is visible for this entry. The Windows taskbar at the bottom shows the time as 10:22 AM on 11/9/2022, along with system icons for temperature (29°C), network, and battery.

NAME	API KEY	ACTION
Aarthi API Key ID: OjgwPnPUSGqT_Ds8JMk-vQ	••••••••••••••••••••	⚙️

Creating a Virtual Environment “Integrating SendGrid Service” and creating demo.py file with the following code inside the virtual environment



```
demo.py - D:\temp\demo.py (3.10.7)
File Edit Format Run Options Window Help

import sendgrid
import os
from sendergrid.helpers.mail import *
sg=sendgrid.SendGridAPIClient(api_key='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')
from_email=Email("19cs001@syedengg.co.in")
to_email=To("19cs006@syedengg.co.in")
subject="Sending with SendGrid"
content=Content("text/plain","Plasma donor application")
mail=Mail(from_email, to_email, subject, content)
response=sg.client.mail.send.post(request_body=mail.get())
print(response.status_code)
print(response.body)
print(response.headers)
```

Ln: 1 Col: 0

Type here to search

28°C 11:49 AM 11/12/2022

Running the python file through the terminal

```
Command Prompt
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Dell>pip install sendgrid
Collecting sendgrid
  Downloading sendgrid-6.9.7-py3-none-any.whl (101 kB)
----- 101.1/101.1 kB 976.5 kB/s eta 0:00:00
Collecting python-http-client>=3.2.1
  Downloading python_http_client-3.3.7-py3-none-any.whl (8.4 kB)
Collecting starkbank-ecdsa>=2.0.1
  Downloading starkbank-ecdsa-2.2.0.tar.gz (14 kB)
  Preparing metadata (setup.py) ... done
Using legacy 'setup.py install' for starkbank-ecdsa, since package 'wheel' is not installed.
Installing collected packages: starkbank-ecdsa, python-http-client, sendgrid
  Running setup.py install for starkbank-ecdsa ... done
Successfully installed python-http-client-3.3.7 sendgrid-6.9.7 starkbank-ecdsa-2.2.0

[notice] A new release of pip available: 22.2.2 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Dell>
```

Test mail received via Sendgrid

