

Integrating SendGrid Service
SendGrid Integration With Python Code

Date	09 November 2022
Team ID	PNT2022TMID48189
Project Name	Plasma Donor Application

Creating an API Key

SendGrid

+

app.sendgrid.com/settings/api_keys

Ready to send your first email? Follow our guides for Email API or Marketing Campaigns. [Let's do it!](#)

Aarthi Sankar

Dashboard

Email API

Marketing

Design Library

Stats

Activity

Suppressions

API Keys

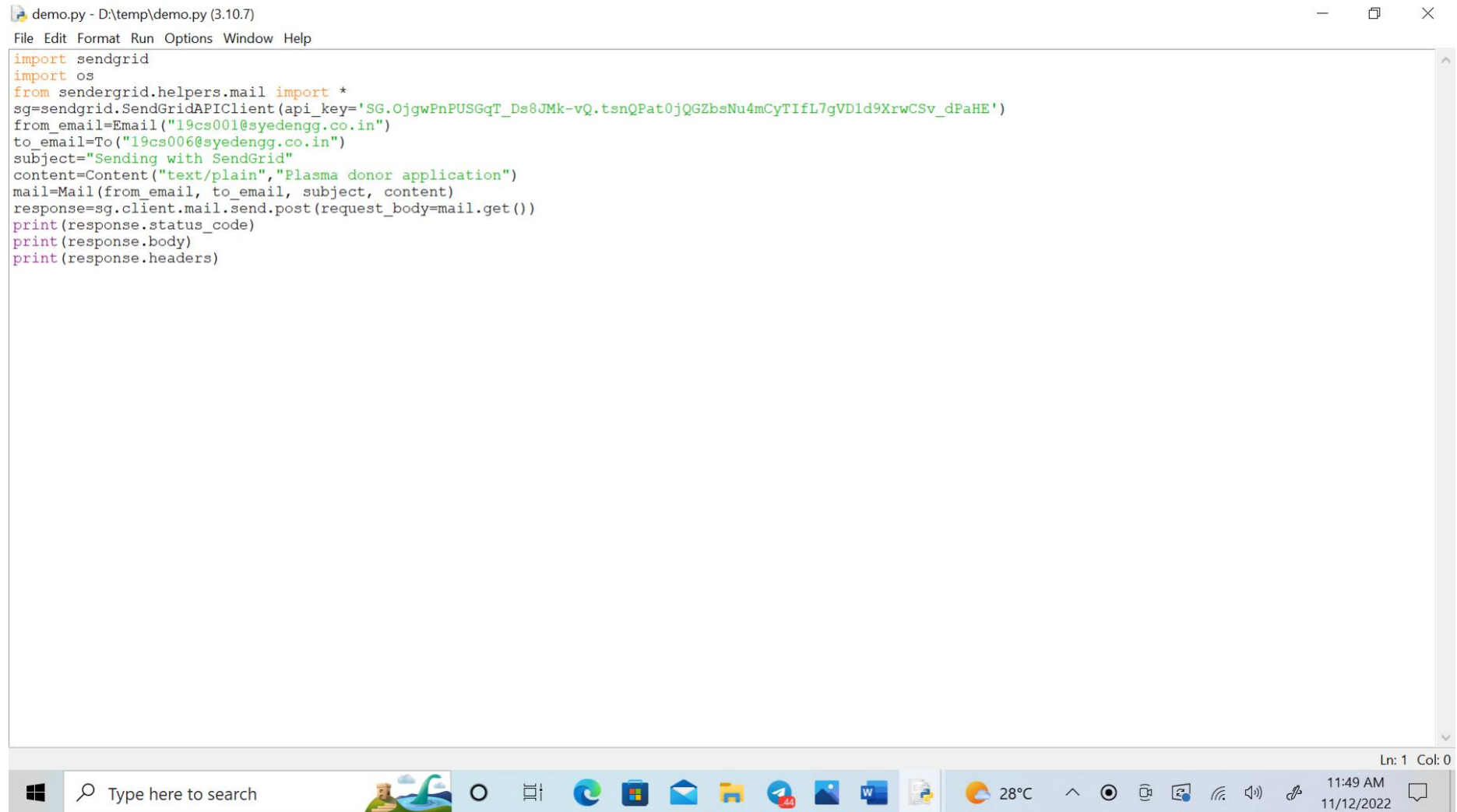
Create API Key

NAME	API KEY	ACTION
Aarthi API Key ID: OjgwPnPUSGqT_Ds8JmK-vQ	

Type here to search

29°C 10:22 AM 11/9/2022

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



The screenshot shows a Python IDE window titled "demo.py - D:\temp\demo.py (3.10.7)". The menu bar includes File, Edit, Format, Run, Options, Window, and Help. The code in the editor is as follows:

```
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)
```

The status bar at the bottom right indicates "Ln: 1 Col: 0". The Windows taskbar at the bottom shows the search bar, task view, and several application icons, including a weather widget showing 28°C and the date/time 11:49 AM on 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

