

## SENDGRID INTEGRATION WITH PYTHON

Date	17 November 2022
TeamID	PNT2022TMID29412
Project Name	NUTRITION ASSISTANT APPLICATION

### Step 1:

#### Requirements:

Python 2.6 , 2.7 , 3.4 , 3.5

### Step 2:

#### Creating an API key

The screenshot shows a web browser window with the URL `app.sendgrid.com/settings/api_keys`. The browser's address bar and tabs are visible at the top. A notification banner at the top of the page states: "Before sending your first email, you'll need to create a sender identity. [Create a sender identity](#)".

The main content area is titled "API Keys" and features a "Create API Key" button in the top right corner. Below this, there is a table with the following columns: "NAME", "API KEY", and "ACTION".

NAME	API KEY	ACTION
<b>Nutroassist</b> API Key ID: w48jLt2oQnqXR6YQIWweWA	.....	Settings icon

The left sidebar contains a navigation menu with the following items: "Dashboard", "Email API", "Marketing", "Design Library", "Stats", "Activity", and "Suppressions". The user's name, "Gayathri Madanan", is displayed at the top of the sidebar.

The Windows taskbar is visible at the bottom of the screen, showing the system clock as 12:32 on 18-11-2022, along with various system icons and the Windows Start button.

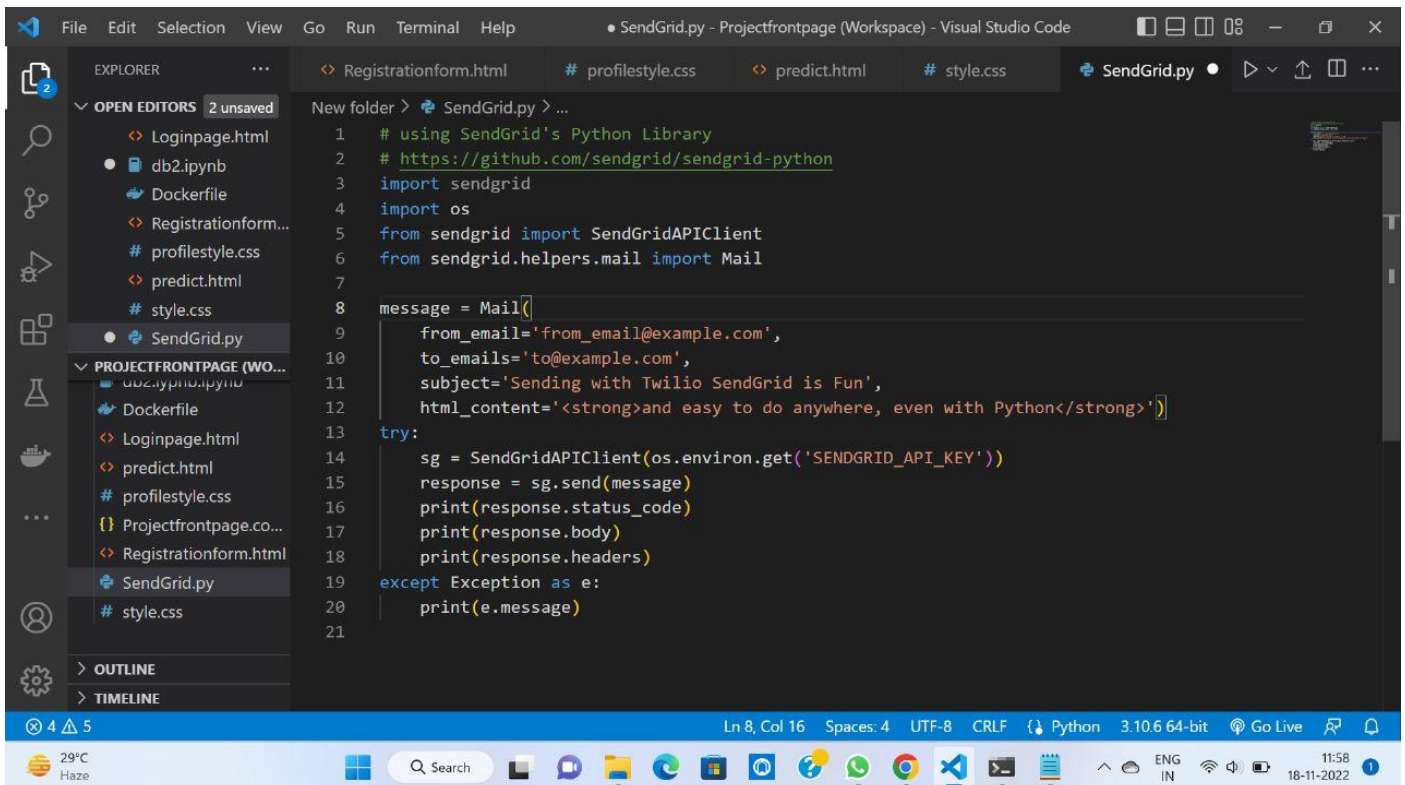
### Step 3:

#### INSTALL PACKAGE :

>pip install sendgrid

### Step 4:

#### SEND EMAIL



The screenshot shows the Visual Studio Code interface with a workspace named "SendGrid.py - Projectfrontpage (Workspace)". The Explorer panel on the left shows the project structure, including files like "Loginpage.html", "db2.ipynb", "Dockerfile", "Registrationform...", "profilestyle.css", "predict.html", "style.css", and "SendGrid.py". The main editor area displays the "SendGrid.py" file, which contains the following Python code:

```
1  # using SendGrid's Python Library
2  # https://github.com/sendgrid/sendgrid-python
3  import sendgrid
4  import os
5  from sendgrid import SendGridAPIClient
6  from sendgrid.helpers.mail import Mail
7
8  message = Mail(
9      from_email='from_email@example.com',
10     to_emails='to@example.com',
11     subject='Sending with Twilio SendGrid is Fun',
12     html_content='<strong>and easy to do anywhere, even with Python</strong>')
13
14  try:
15     sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
16     response = sg.send(message)
17     print(response.status_code)
18     print(response.body)
19     print(response.headers)
20 except Exception as e:
21     print(e.message)
```

The status bar at the bottom indicates the current position is "Ln 8, Col 16", with "Spaces: 4", "UTF-8", "CRLF", and "Python 3.10.6 64-bit". The system tray shows the temperature as "29°C Haze" and the date as "18-11-2022".