SENDGRID INTEGRATION WITH PYTHON CODE

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Project Name	Customer Care Registry

Steps For SendGrid Integration With Python Code

- Sign up for a SendGrid account.
- Enable Two-factor authentication.
- Create and store a SendGrid API Key with Mail Send > Full Access permissions.
- Complete Domain Authentication.
- Install Python.

Step 1 : Sign up for a SendGrid account
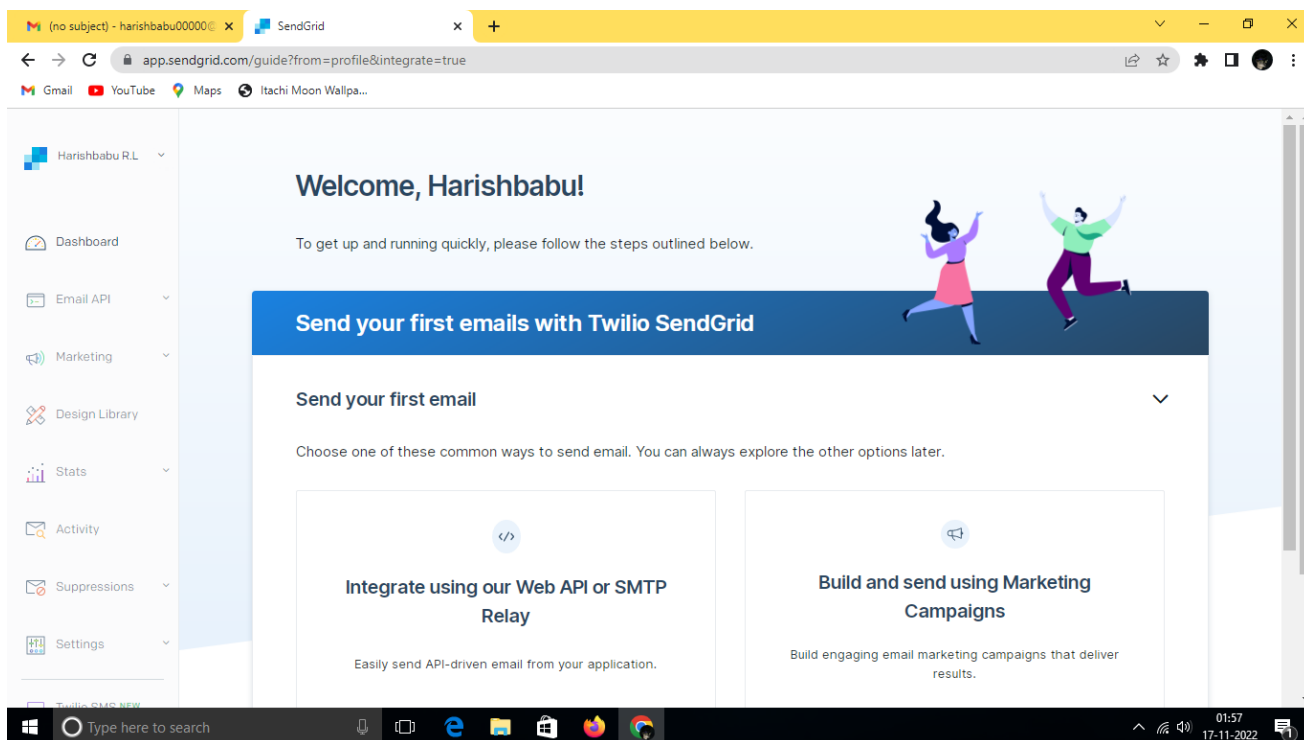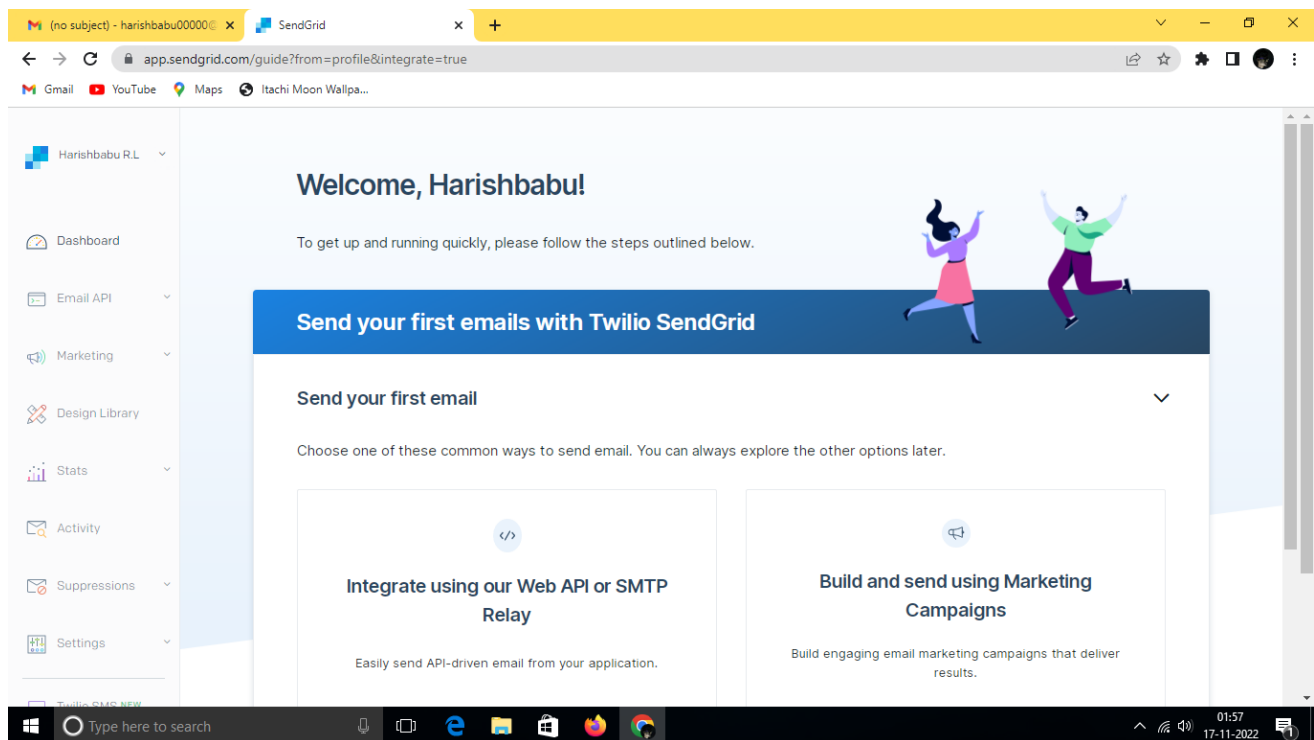


```
1  export SENDGRID_API_KEY=<Your API Key>
```

Step 2 : Enable Two-Factor Authentication

```
1  python --version
```

If you have Python installed, the terminal should print something like the following output.

```
1  Python 3.8.5
```

Step 3 : Create and Store a Sendgrid API Key

Step 4: Initialize Your Project

Initialize your project

The pip package manager was included when you installed Python. You can use pip to install the Twilio SendGrid helper library and save it as a project dependency. If you want to verify that pip is installed, you can type the following into the terminal.

```
1 | pip --version
```

The terminal should print something like the following output.

```
1 | pip 20.1.1 from /usr/locallib/python3.8/site-packages/pip (python 3.8)
```

Step 5 : Install the Helper library

Install the helper library

To install the Twilio SendGrid helper library, type the following command into the terminal.

```
1 | pip install sendgrid
```

The terminal should print something like.

```
1 | Collecting sendgrid
2 |   Using cached sendgrid-6.4.6-py3-none-any.whl (73 kB)
3 | Requirement already satisfied: python-http-client>=3.2.1 in /usr/local/lib/python3
4 | Requirement already satisfied: starkbank-ecdsa>=1.0.0 in /usr/local/lib/python3.8/
5 | Installing collected packages: sendgrid
6 | Successfully installed sendgrid-6.4.6
```

```python
1  import sendgrid
2  import os
3  from sendgrid.helpers.mail import Mail, Email, To, Content
4
5  sg = sendgrid.SendGridAPIClient(api_key=os.environ.get('SENDGRID_API_KEY'))
6  from_email = Email("test@example.com")  # Change to your verified sender
7  to_email = To("test@example.com")  # Change to your recipient
8  subject = "Sending with SendGrid is Fun"
9  content = Content("text/plain", "and easy to do anywhere, even with Python")
10 mail = Mail(from_email, to_email, subject, content)
11
12 # Get a JSON-ready representation of the Mail object
13 mail_json = mail.get()
14
15 # Send an HTTP POST request to /mail/send
16 response = sg.client.mail.send.post(request_body=mail_json)
17 print(response.status_code)
18 print(response.headers)
```