

SPRINT 2

SENDGRID INTEGRATION WITH PYTHON CODE

Step 1:

Go to the [SendGrid](https://sendgrid.com) website and create a free account.

<https://docs.sendgrid.com/for-developers/sending-email/v3-python-code-example>



Step 2:

After entering the website, click on the [start for free button](#) and you will be redirected to the following page. Enter the email and password to create an account.



Let's Get Started

Sign up for free. No credit card required.

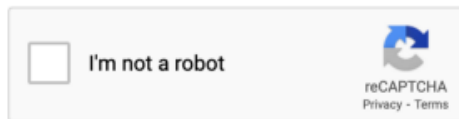
Email Address •

☒ Use email address as username

Password •



Must have at least 16 characters.



☐ I accept the [Terms of Service](#) and have read the [Services Privacy Policy](#)

Create Account

Step 3:

The next thing we have to do is to verify our email which we will be using to send emails. We can verify our email in two ways, either by single sender verification or domain verification.

Click on [this page](#) to verify your email. Once it is done, we are good to go.

Domain Authentication

RECOMMENDED

Improve deliverability by proving to inbox providers that you own the domain you're sending from. [Learn more](#)

Single Sender Verification

Verify ownership of a single email address to use as a sender. [Learn more](#)

[Verify a Single Sender](#)

Then it will redirect you to a home page of your sendgrid account.

Step 4:

Let us create a simple program in python to send an email. First, we have to install the SendGrid Python library. You can easily install it using pip by running the following command in your terminal.

```
$ pip install sendgrid
```

Once the package is installed, we can send emails using SendGrid. I have added a python code.

Integration With Python:

```
import os

from sendgrid import SendGridAPIClient

from sendgrid.helpers.mail import Mail


message = Mail(

    from_email='benazirayisha6@gmail.com',
    to_emails='renudev235@gmail.com',
    subject='Sending with Twilio SendGrid is Fun',
    html_content='<strong>and easy to do anywhere, even with Python</strong>')

try:

    sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))

    response = sg.send(message)

    print(response.status_code)

    print(response.body)

    print(response.headers)

except Exception as e:

    print(e.message)
```

Step 5:

Finally, you have created your account and connected with and now you can access the sendgrid account.