

Date	16 November 2022
Team ID	PNT2022TMID27622
Project Name	Personal Expense Tracker

Send Grid Integration with python code

1. Create an account

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'm not a robot

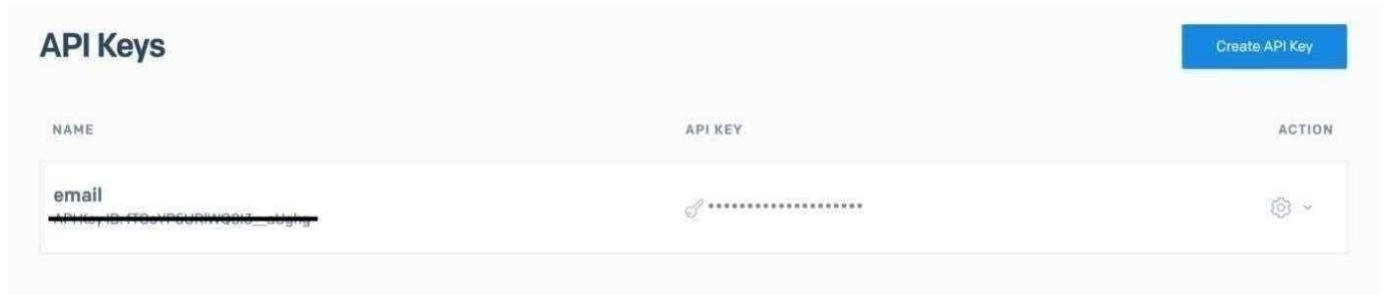


☐ I accept the [Terms of Service](#) and have read the [Services Privacy Policy](#)

Create Account

2. Create an API key

After we have successfully created our account, the next step is to create an API key so that we can use it in our python code to communicate with our account.



3. Email verification

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.

Coding:

```
import os from sendgrid

import SendGridAPIClient

Froms sendgrid.helpers.mail import Mail

message =

    Mail( from_email="verified_email@gmail.com",
    to_emails="receiver@gmail.com", subject="test",
    html_content="<p>hi</hi>")

try:

    sg = SendGridAPIClient(" API key ")

    except Exception as e:

    print(e)
```

Let us create a simple program in python to send an email.

```
import os
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import *

def send_email():
    from_email = Email(akasharavind3451@gmail.com')
    to_email = To('abisheik619@gmail.com')
    subject = 'Sending with SendGrid is Fun'
    content = Content("text/plain", "and easy to do anywhere, even with
Python")
    mail = Mail(from_email, to_email, subject, content)

    try:
        sg=
SendGridAPIClient('SG.Lwq2BL4lSCOsnsxsuXMSMA.LbG3loEs7au_-
CJYcE26wZ94YAu91K3y0LAt6wsFvZg')
        response = sg.send(mail)
        print(response.status_code)
        print(response.body)
        print(response.headers)
    except Exception as e:
        print(e)

send_email()
```