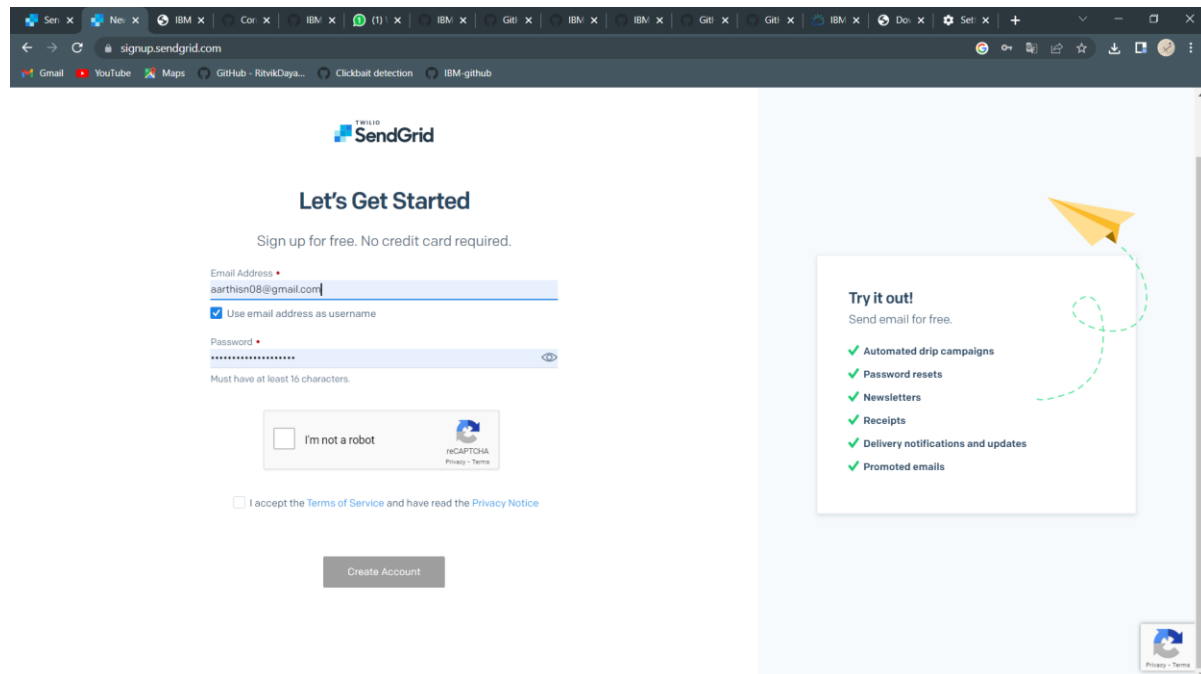


# Sendgrid integration with python code

Date	31October 2022
Team ID	PNT2022TMID10615
Project Name	Project – Inventory Management System for Retailers

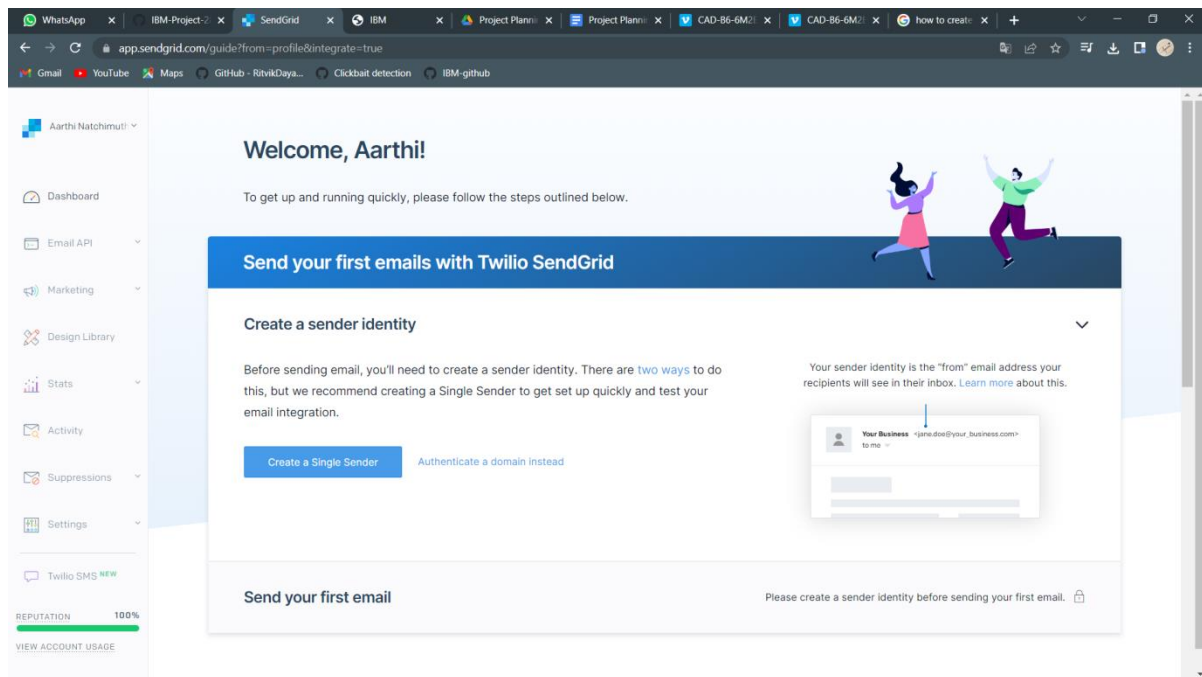
## CREATE AN ACCOUNT IN SENDGRID

To create a account, click on the [start for free button](#) and click sign up and enter the email id and password.

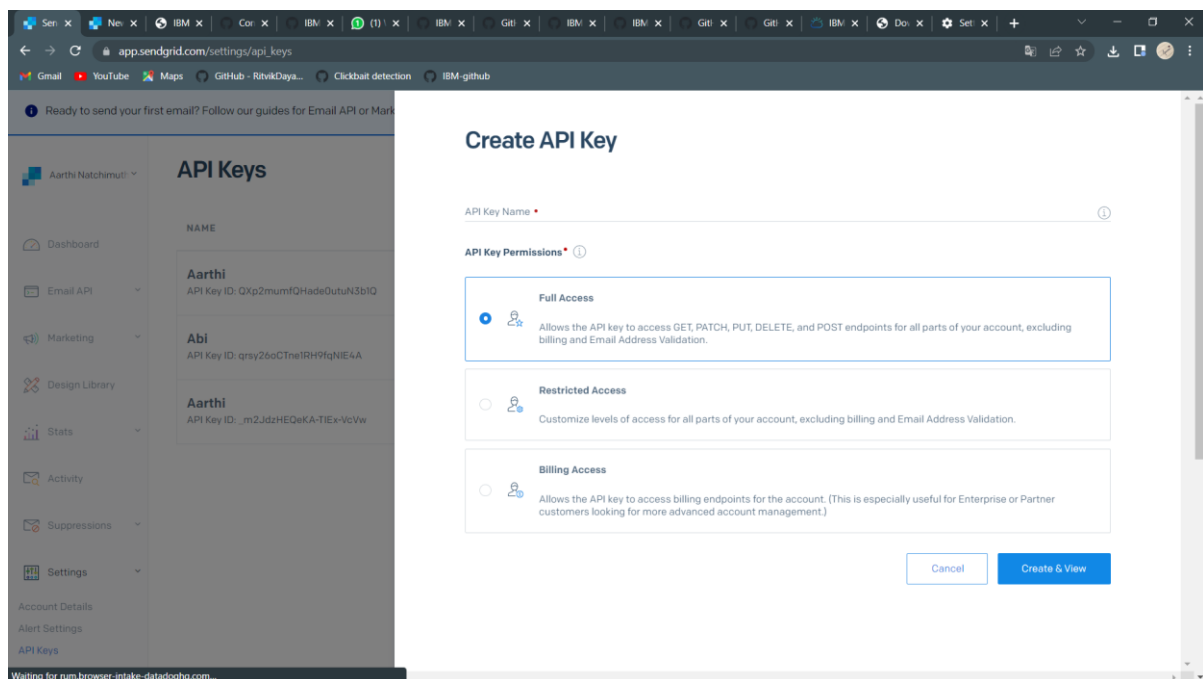


The screenshot shows the SendGrid sign-up page in a web browser. The page has a light blue background with the SendGrid logo at the top left. The main heading is "Let's Get Started" with the subtext "Sign up for free. No credit card required." Below this, there are two input fields: "Email Address" with the value "aarthishn08@gmail.com" and "Password" with a masked value "\*\*\*\*\*". A checkbox labeled "Use email address as username" is checked. Below the password field, there is a note "Must have at least 10 characters." and a reCAPTCHA widget with the text "I'm not a robot". At the bottom, there is a checkbox for "I accept the Terms of Service and have read the Privacy Notice" and a "Create Account" button. On the right side, there is a callout box titled "Try it out!" with the text "Send email for free." and a list of features: "Automated drip campaigns", "Password resets", "Newsletters", "Receipts", "Delivery notifications and updates", and "Promoted emails". A yellow paper airplane icon is shown flying towards the top right corner.

This is the home page of sendgrid website after signing in into the account.



After signing in into your account, create a API key.



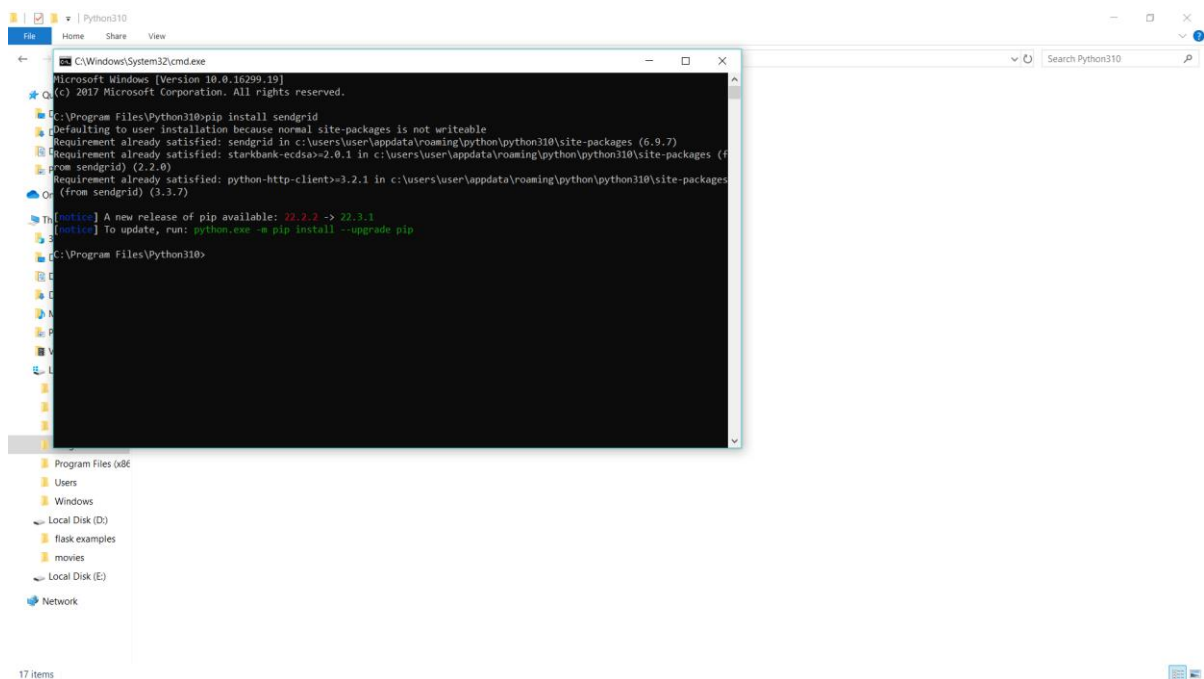
## INTEGRATING SENDGRID WITH PYTHON CODE:

The next thing is to verify our email. We can verify our email in two ways, either by single sender verification or domain verification.

After verifying the emails, next install the Sendgrid Python library.

You can easily install it using pip by running the following command in your terminal.

```
$ pip install sendgrid
```



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

```
import os
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail
message = Mail(
    from_email='aarthishn08@gmail.com',
    to_emails='abinayak1805@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)
```