

**Integrating SendGrid Service**  
**SendGrid Integration With Python Code**

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Team ID	PNT2022TMID33711
Project Name	Skill/Job Recommender Application



## Creating an API Key

app.sendgrid.com/settings

Before sending your first email, you'll need to create a sender identity. [Create a sender identity.](#)

### API Keys

Create API Key

NAME	API KEY	ACTION
<b>Skill /Job Recommended Application</b> API Key ID: rJEnOtrRCWUJzhPaNmcQ	.....	 

count Details  
rt Settings  
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ound Parse  
Access Management  
Addresses  
all Settings  
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abuser Management  
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uthentication

Twilio SMS **NEW**

REPUTATION 100%  
NEW ACCOUNT MESSAGES

## **Creating a Virtual Environment “Integrating SendGrid Service” and creating demo.py file with the following code inside the virtual environment**

```
# using SendGrid's Python Library
# https://github.com/sendgrid/sendgrid-python
import os
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail

# from_address we pass to our Mail object, edit with your name
FROM_EMAIL = 'Your_Name@SendGridTest.com'

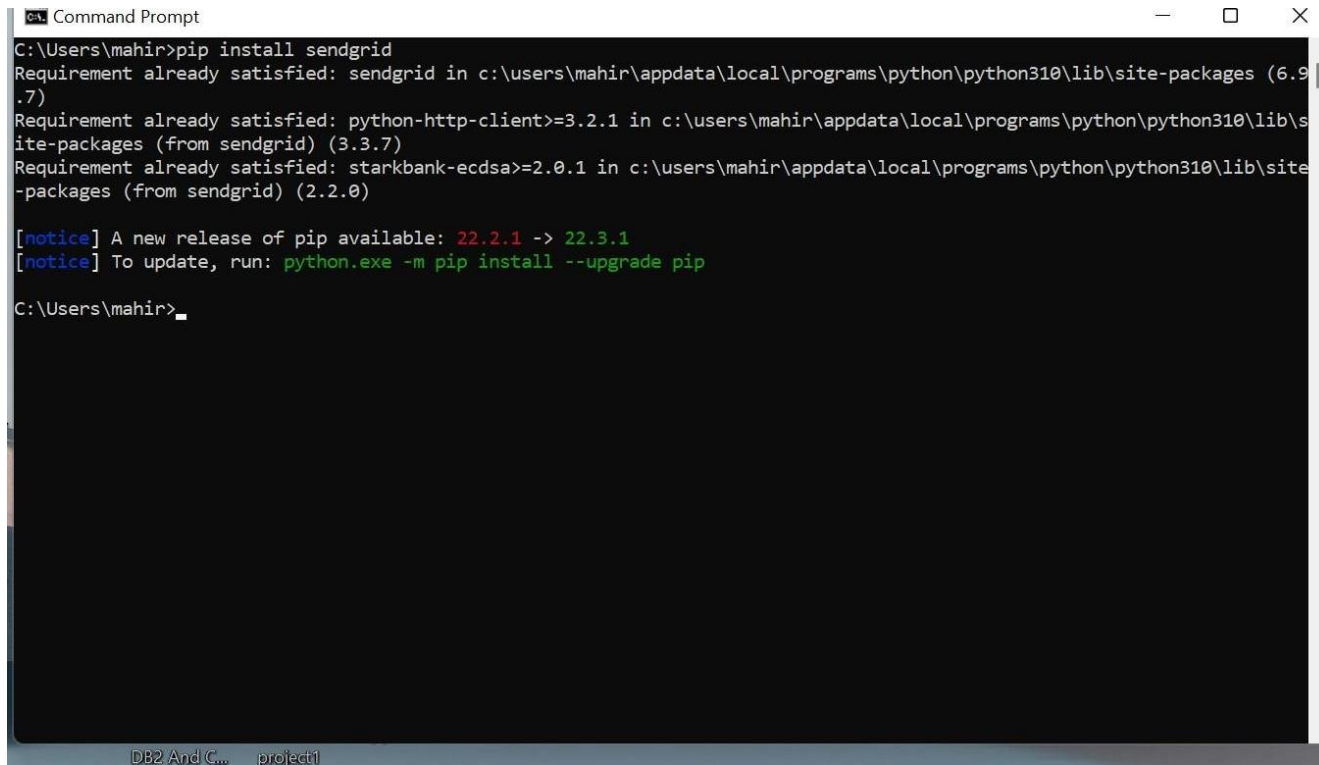
def SendEmail(to_email):
    """ Send an email to the provided email addresses

    :param to_email = email to be sent to
    :returns API response code
    :raises Exception e: raises an exception """
    message = Mail(
        from_email=FROM_EMAIL,
        to_emails=to_email,
```

```
        subject='A Test from SendGrid!',
        html_content='<strong>Hello there from SendGrid your URL
is: ' +
        '<a href=''https://github.com/cyberjive''>right
here!</a></strong>')
    try:
        sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
        response = sg.send(message)
        code, body, headers = response.status_code, response.body,
response.headers
        print(f"Response Code: {code} ")
        print(f"Response Body: {body} ")
        print(f"Response Headers: {headers} ")
        print("Message Sent!")
    except Exception as e:
        print("Error: {0}".format(e))
    return str(response.status_code)

if __name__ == "__main__":
    SendEmail(to_email=input("Email address to send to? "))
```

# Running the python file through the terminal



```
CA Command Prompt
C:\Users\mahir>pip install sendgrid
Requirement already satisfied: sendgrid in c:\users\mahir\appdata\local\programs\python\python310\lib\site-packages (6.9.7)
Requirement already satisfied: python-http-client>=3.2.1 in c:\users\mahir\appdata\local\programs\python\python310\lib\site-packages (from sendgrid) (3.3.7)
Requirement already satisfied: starkbank-ecdsa>=2.0.1 in c:\users\mahir\appdata\local\programs\python\python310\lib\site-packages (from sendgrid) (2.2.0)

[notice] A new release of pip available: 22.2.1 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\mahir>
```

DB2 And C... project1



