

## SENDGRID INTEGRATION WITH PYTHON CODE

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Project Name	PERSONAL EXPENSE TRACKER APPLICATION

### CREATING API KEYS

The screenshot shows the SendGrid 'API Keys' page in a web browser. The page has a sidebar on the left with navigation links: Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, and Settings. The main content area is titled 'API Keys' and features a 'Create API Key' button in the top right corner. Below the title is a table with three columns: NAME, API KEY, and ACTION. The table lists seven API keys with names like 'sks', 'kss', 'mvg', 'mohan', 'mr', 'mohanraj', and 'mohanraj'. Each row shows the API Key ID and a link to view the key. The bottom of the screen shows a Windows taskbar with the date 18-11-2022 and time 20:09.

NAME	API KEY	ACTION
sks API Key ID: ptbY93RcT8yBAKTgSNxkMA	*****	Settings
kss API Key ID: MglexpSISeGhgB.JofDzd-w	*****	Settings
mvg API Key ID: 4Tu8SVkHTy2yAQ3aa19lqg	*****	Settings
mohan API Key ID: wtQAJzJBQpObWvNFvYsIcog	*****	Settings
mr API Key ID: ApmuJNnCROSViPQIqyCLWw	*****	Settings
mohanraj API Key ID: v09dqMD-Su2curifwIQE1g	*****	Settings
mohanraj API Key ID: 3IU-GfOETBCwZaYgYsMTZg	*****	Settings

### Msg.py

```
Get Started msg.py
msg.py > ...
1 import os
2 from sendgrid import SendGridAPIClient
3 from sendgrid.helpers.mail import Mail
4
5 message = Mail(
6     from_email='from_email@example.com',
7     to_emails='to@example.com',
8     subject='Sending with Twilio SendGrid is Fun',
9     html_content='<strong>and easy to do anywhere, even with Python</strong>')
10 try:
11     sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
12     response = sg.send(message)
13     print(response.status_code)
14     print(response.body)
15     print(response.headers)
16 except Exception as e:
17     print(e.message)
```

## Running the python file through terminal

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  JUPYTER

202
b''
Server: nginx
Date: Fri, 18 Nov 2022 14:43:20 GMT
Content-Length: 0
Connection: close
X-Message-Id: ON_UW5ewRviteBn-M304uQ
Access-Control-Allow-Origin: https://sendgrid.api-docs.io
Access-Control-Allow-Methods: POST
Access-Control-Allow-Headers: Authorization, Content-Type, On-behalf-of, x-sg-elas-acl
Access-Control-Max-Age: 600
X-No-CORS-Reason: https://sendgrid.com/docs/Classroom/Basics/API/cors.html
Strict-Transport-Security: max-age=600; includeSubDomains
```