

## SendGrid Integration with Python

|             |                               |
|-------------|-------------------------------|
| Date        | 12 November 2022              |
| TeamID      | PNT2022TMID17984              |
| ProjectName | NUTRITIONASSISTANTAPPLICATION |

```
# 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: {}".format(e))
return str(response.status_code)
```

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

