

## Integrating SendGrid Service

Date	7 November 2022
Team ID	PNT2022TMID53656
Project Name	Nutrition Assistant Application

### **CODE:**

```
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? "))
```