

SENDGRID INTEGRATION WITH PYTHON CODE

TEAM ID	PNT2022TMID46363
PROJECT NAME	CONTAINMENT ZONE ALERTING APPLICATION

CODING:

```
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? "))
```