

# INVENTORYMANAGEMENTSYSTEMFORRETAILERS

**Domain:**CloudApplicationDevelopment

**Team id:**PNT2022TMID53370

Team members:

Pradeep Kumar R	2127190501088
Keerthana sri s	2127190501057
Lakshman g	2127190501061
Lakshmi gayatri	2127190501062

## SendGridIntegrationwithpythoncode

### 1. Createanaccount

After entering the website, click on the [start for free button](#)and you will be redirected to the following page. Enter the email and password to create an account.



## Let's Get Started

Sign up for free. No credit card required.

Email Address •

☒ Use email address as username

Password •



Must have at least 16 characters.



I'm not a robot



reCAPTCHA  
Privacy - Terms

☐ I accept the [Terms of Service](#) and have read the [Services Privacy Policy](#)

Create Account

accountcreationpage

### 2. Create an API key

After we have successfully created our account, the next step is to create an API key so that we can use it in our python code to communicate with our account.

API Keys			Create API Key
NAME	API KEY	ACTION	
email	*****		

APIkeys list

### 3. Emailverification

The next thing we have to do is to verify our email which we will be using to send emails. We can verify your email in two ways, either by using the sender verification or domain verification.

**Coding:** import os from  
sendgrid import SendGridAPIClient  
from sendgrid.helpers.mail import Mail

```
message =
    Mail(from_email="verified_email@gmail.c
om",to_emails="receiver@gmail.com",sub
ject="test",html_content="<p>hi</hi>"
)

try:
    sg = SendGridAPIClient("XXXX API key
XXXXXX")response = sg.send(message) except
Exception as e:
    print(e)
```

The code example

Let us create a simple program in python to send an email. First, we have to install the SendGrid Python library. You can easily install it using pip by running the following command in your terminal.

```
$ pip install sendgrid
```

Once the package is installed, we can send emails using SendGrid. I have added a python code example below.

Conclusion

Hope this article is helpful. In addition to python, they also support other programming languages right out of the box.

Sample code:

```
import os
from sendgrid import
SendGridAPIClient from sendgrid.helpers
.mail import Mail

message =
    Mail(from_email='from_email@example.com',
        to_emails='to@example.com', subject='Sendin
        g with Twilio SendGrid is Fun',
        html_content='<strong>and easy to do anywhere, even with
Python</strong>')
try:
    sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
    response = sg.send(message)
    print(response.status_code)
    print(response.body)
    print(response.headers)
except Exception as e:
    print(e.message)
```