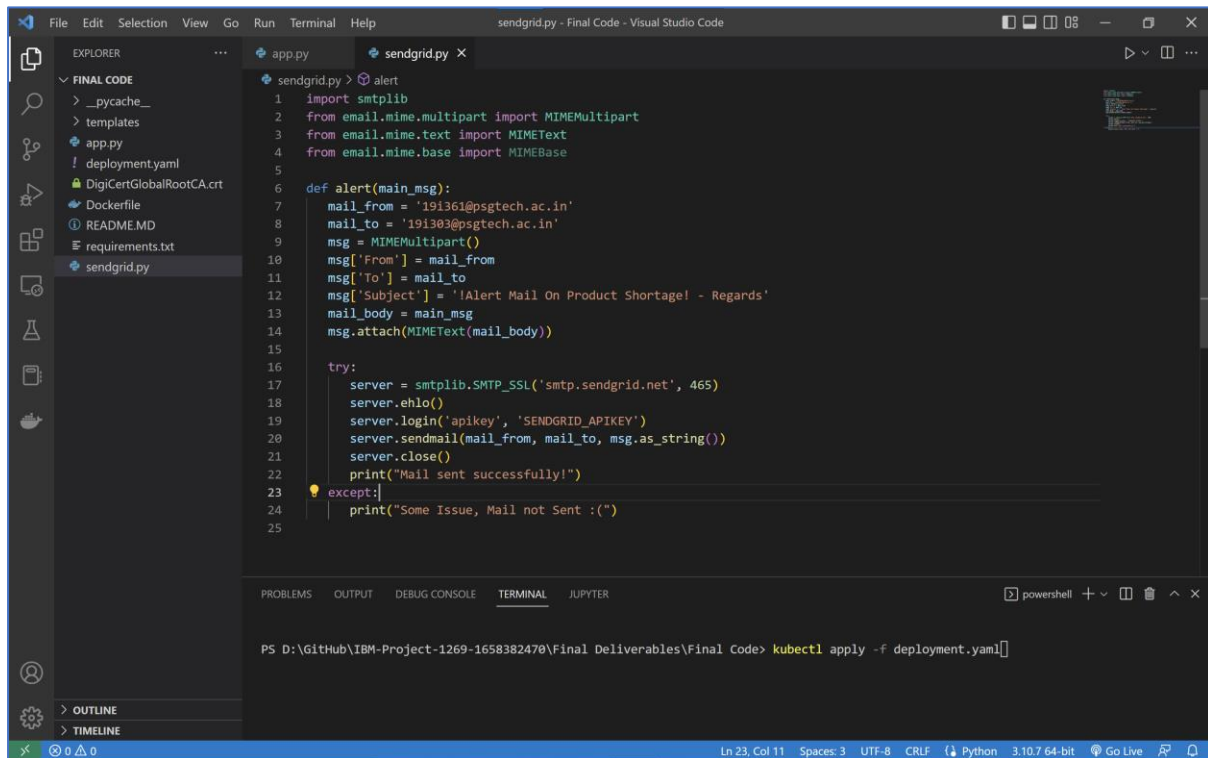


## Pre-Development Phase Integrating SendGrid Service

Date	14.11.2022
Team ID	PNT2022TMID53537
Project Name	Inventory Management System for Retailers

### SendGrid Integration with Python Code,



```
1 import smtplib
2 from email.mime.multipart import MIMEMultipart
3 from email.mime.text import MIMEText
4 from email.mime.base import MIMEBase
5
6 def alert(main_msg):
7     mail_from = '191361@psgtech.ac.in'
8     mail_to = '191303@psgtech.ac.in'
9     msg = MIMEMultipart()
10    msg['From'] = mail_from
11    msg['To'] = mail_to
12    msg['Subject'] = 'Alert Mail On Product Shortage! - Regards'
13    mail_body = main_msg
14    msg.attach(MIMEText(mail_body))
15
16    try:
17        server = smtplib.SMTP_SSL('smtp.sendgrid.net', 465)
18        server.ehlo()
19        server.login('apikey', 'SENDGRID_APIKEY')
20        server.sendmail(mail_from, mail_to, msg.as_string())
21        server.close()
22        print("Mail sent successfully!")
23    except:
24        print("Some Issue, Mail not Sent :(")
25
```

Here the SENDGRID\_APIKEY must be substituted with the Unique API Key which will be provided when SendGrid Account is Created.

**Note:** For Security reasons, here we did not expose our SendGrid API Key.

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