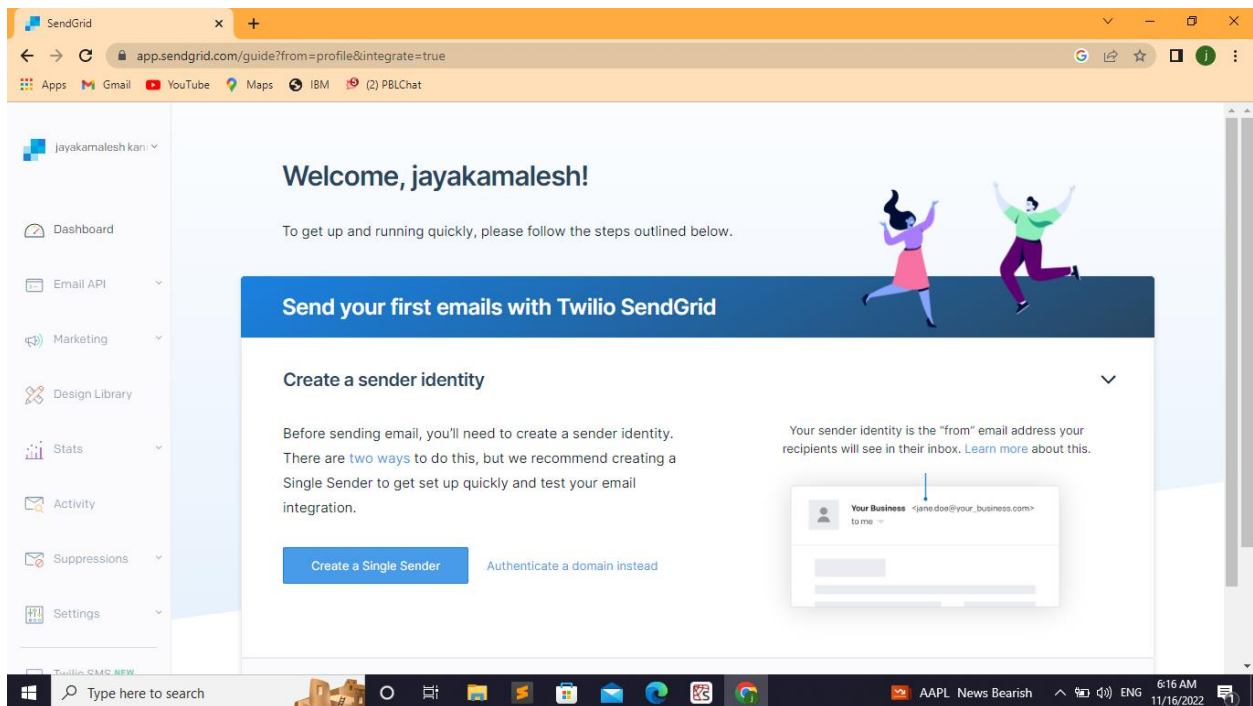


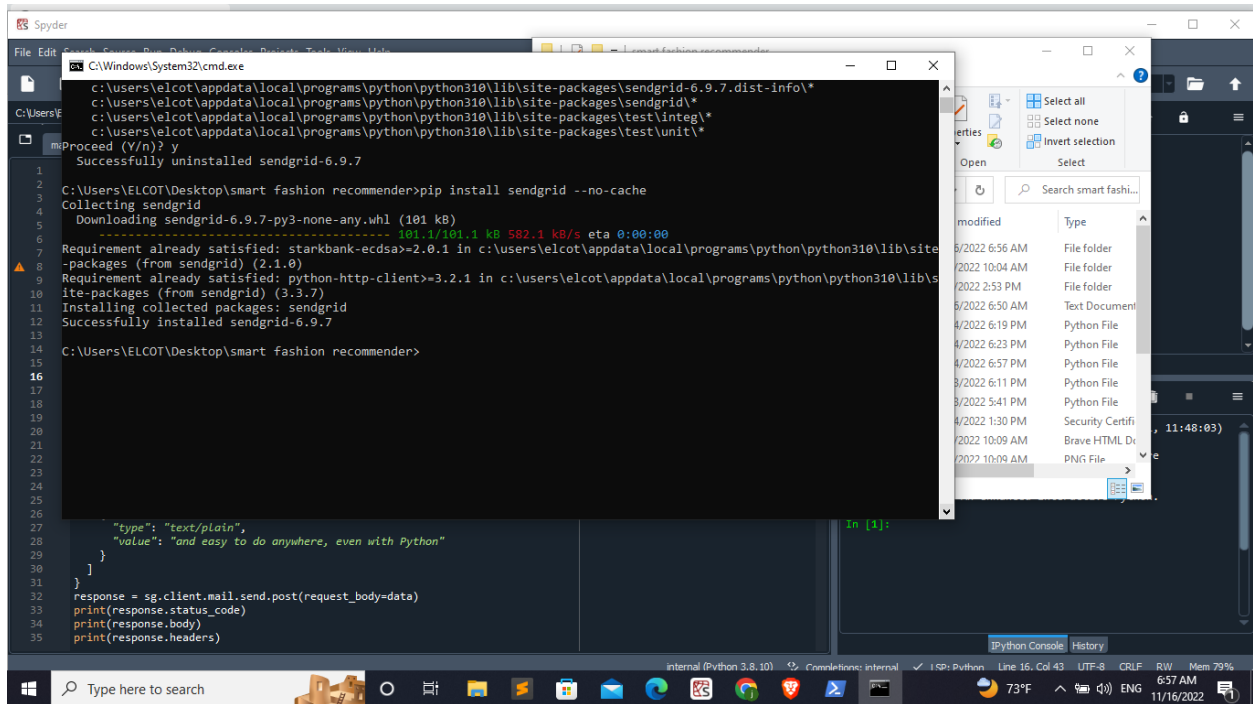
<b>Team ID</b>	PNT2022TMID39959
<b>Project Name</b>	Smart Fashion Recommender

## Sendgrid integration

### 1.Sendgrid account creation



## 2. installing sendgrid



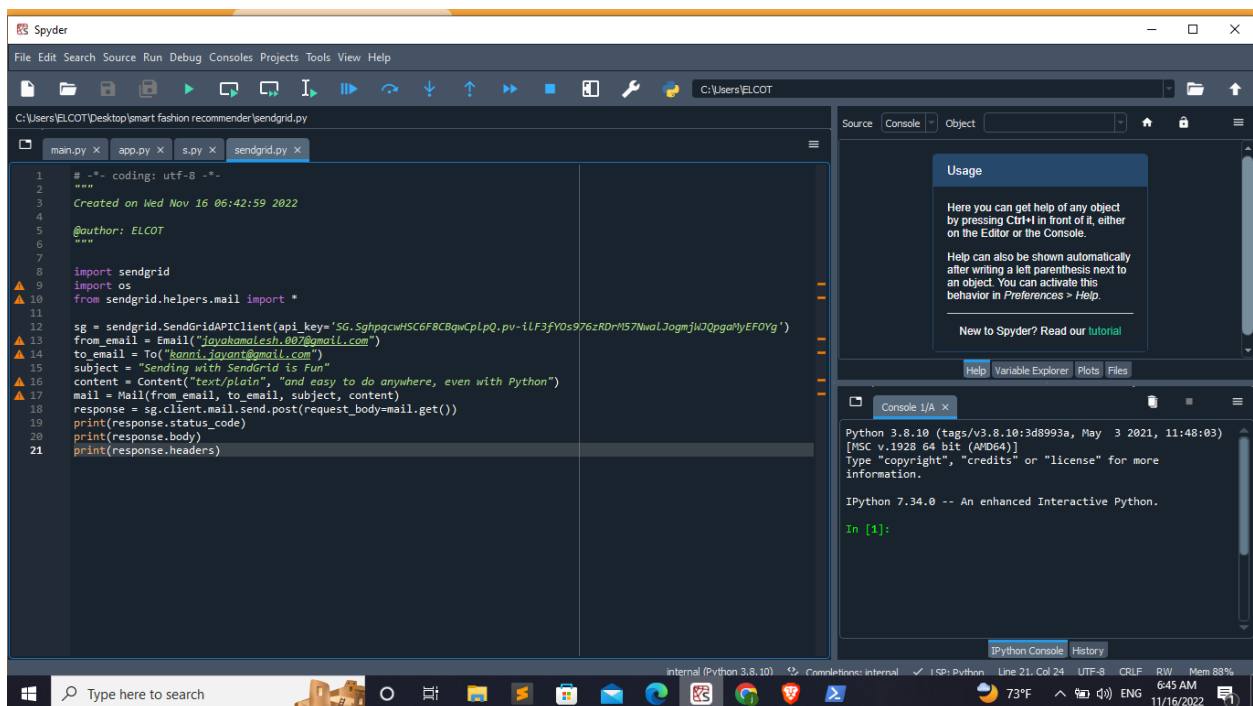
The screenshot shows the Spyder IDE interface. A Windows command prompt window is open, displaying the installation process for SendGrid. The user has navigated to the directory `C:\Users\ELCOT\Desktop\smart fashion recommender` and executed the command `pip install sendgrid --no-cache`. The output shows that SendGrid (version 6.9.7) is being downloaded and installed. The installation is successful. In the background, a file explorer window is open, showing the contents of the `C:\Users\ELCOT\Desktop\smart fashion recommender` directory.

```
C:\Windows\System32\cmd.exe
c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages\sendgrid-6.9.7.dist-info*
c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages\sendgrid*
c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages\test\integ*
c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages\test\unit*
Proceed (Y/n)? y
Successfully uninstalled sendgrid-6.9.7

C:\Users\ELCOT\Desktop\smart fashion recommender>pip install sendgrid --no-cache
Collecting sendgrid
  Downloading sendgrid-6.9.7-py3-none-any.whl (101 kB)
    -----
    101.1/101.1 kB 582.1 kB/s eta 0:00:00
Requirement already satisfied: starkbank-ecdsa>=2.0.1 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from sendgrid) (2.1.0)
Requirement already satisfied: python-http-client>=3.2.1 in c:\users\elcot\appdata\local\programs\python\python310\lib\site-packages (from sendgrid) (3.3.7)
Installing collected packages: sendgrid
Successfully installed sendgrid-6.9.7

C:\Users\ELCOT\Desktop\smart fashion recommender>
```

## 3. python API to connect sendgrid



The screenshot shows the Spyder IDE interface. The main editor displays a Python script named `sendgrid.py`. The script imports the `sendgrid` module and uses the `SendGridAPIClient` to send an email. The email content is `"and easy to do anywhere, even with Python"`. The script prints the status code, body, and headers of the response. The console on the right shows the output of the script, indicating that the email was sent successfully.

```
# -*- coding: utf-8 -*-
"""
Created on Wed Nov 16 06:42:59 2022
@author: ELCOT
"""
import sendgrid
import os
from sendgrid.helpers.mail import *

sg = sendgrid.SendGridAPIClient(api_key='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')
from_email = Email("jayakamalesh.007@gmail.com")
to_email = To("kanni.jayant@gmail.com")
subject = "Sending with SendGrid is Fun"
content = Content("text/plain", "and easy to do anywhere, even with Python")
mail = Mail(from_email, to_email, subject, content)
response = sg.client.mail.send.post(request_body=mail.get())
print(response.status_code)
print(response.body)
print(response.headers)
```

## 4. output of sendgrid integration

