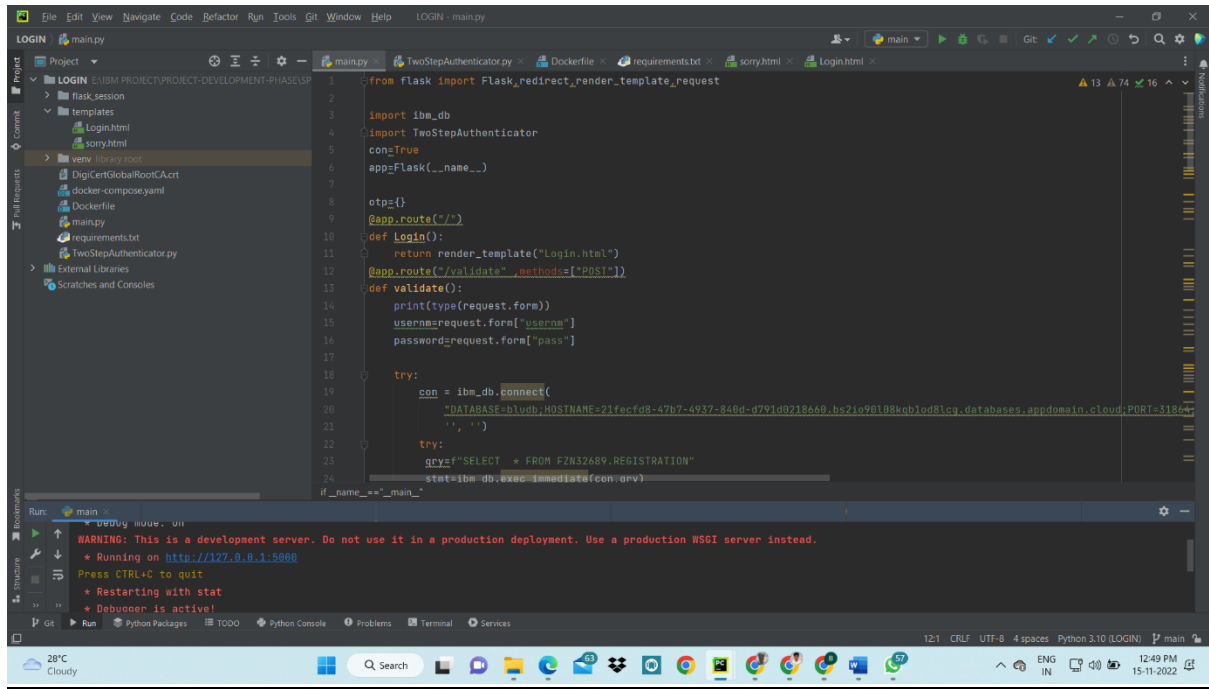


SETTING UP THE APPLICATION ENVIRONMENT

FLASK PROJECT:

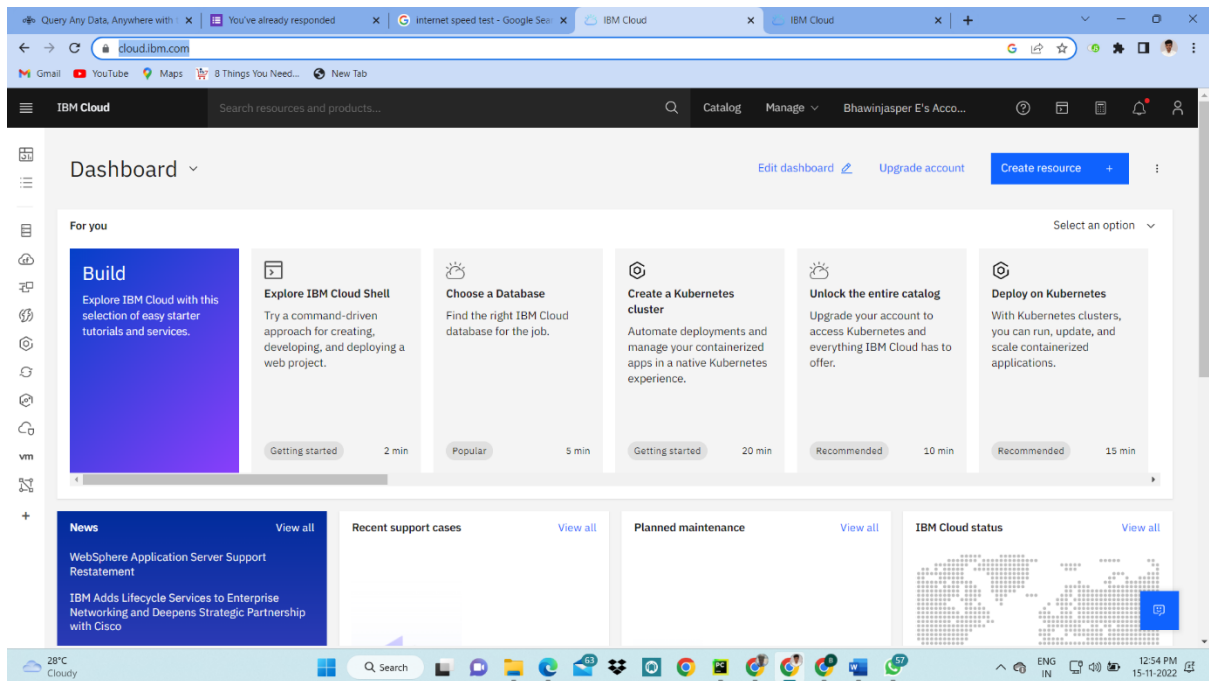


The screenshot shows a VS Code editor with a project named 'LOGIN'. The file explorer on the left shows a directory structure with files like 'main.py', 'TwoStepAuthenticator.py', 'Dockerfile', 'requirements.txt', 'Login.html', and 'sorry.html'. The main editor displays the code for 'main.py'.

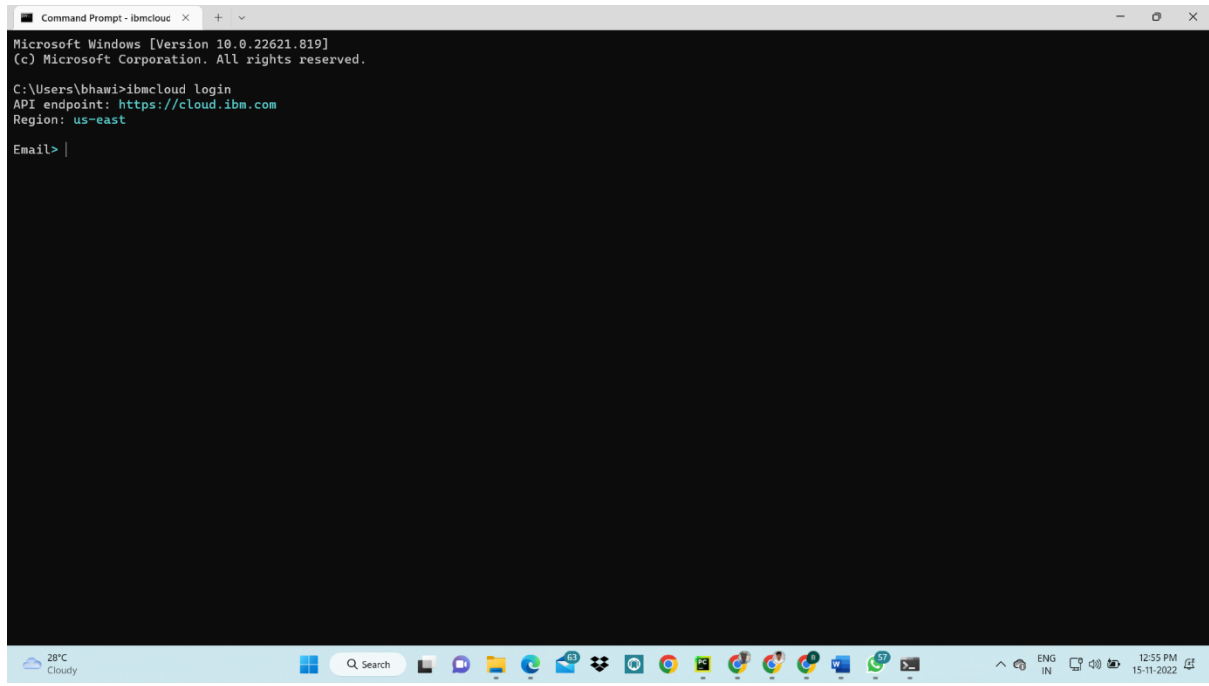
```
1 from flask import Flask, redirect, render_template, request
2
3 import ibm_db
4 import TwoStepAuthenticator
5 conn=True
6 app=Flask(__name__)
7
8 otp={}
9 @app.route("/")
10 def Login():
11     return render_template("Login.html")
12 @app.route("/validate", methods=["POST"])
13 def validate():
14     print(type(request.form))
15     username=request.form["username"]
16     password=request.form["pass"]
17
18     try:
19         conn = ibm_db.connect(
20             "DATABASE=blubb;HOSTNAME=21fecfd8-47b7-4937-846d-d791d92186a9.bs2io90188kqb1od8log_databases.appdomain.cloud;PORT=3184",
21             "", ""
22         )
23         qry=f"SELECT * FROM PZN32689.REGISTRATION"
24         stmt=ibm_db.exec_immediate(conn, qry)
```

The bottom panel shows the output of the application running on a development server at `http://127.0.0.1:5888`. It includes a warning about using a development server and a message indicating the application is restarting with stat.

IBM CLOUD ACCOUNT:



IBM CLOUD CLI:

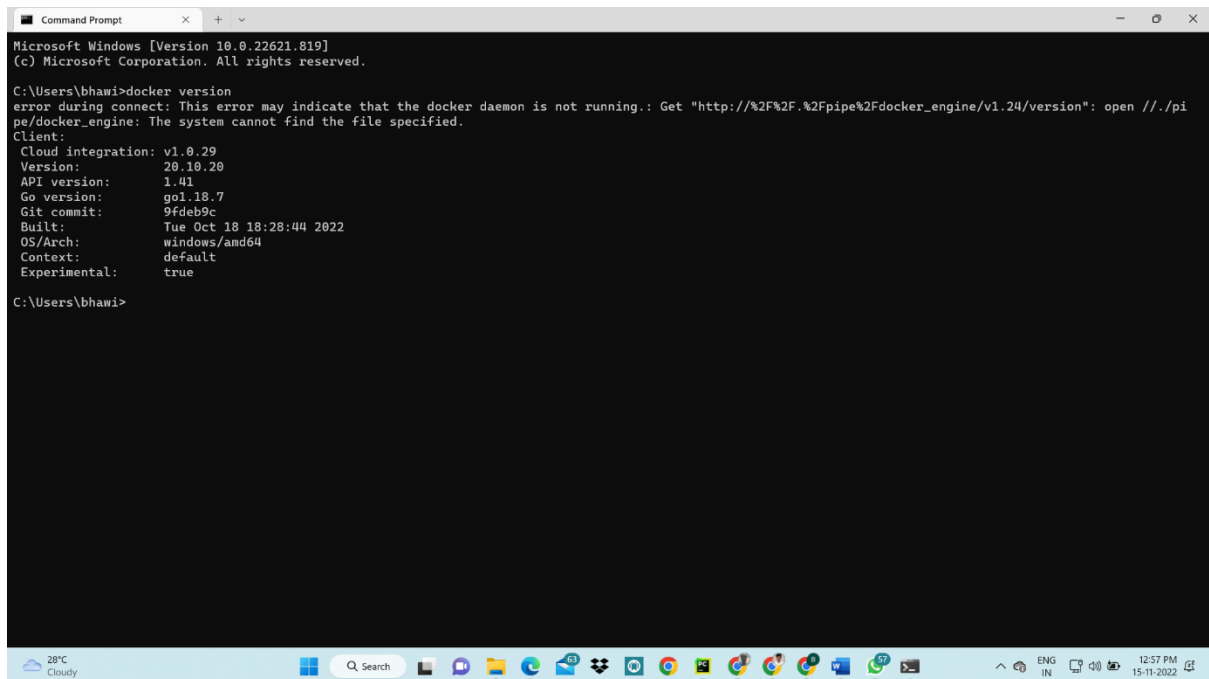


```
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\bhawi>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: us-east

Email> |
```

DOCKER CLI:



```
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\bhawi>docker version
error during connect: This error may indicate that the docker daemon is not running.: Get "http://%2F%2F.%2Fpipe%2Fdocker_engine/v1.24/version": open //./pipe/docker_engine: The system cannot find the file specified.
Client:
 Cloud integration: v1.0.29
 Version:          20.10.20
 API version:      1.41
 Go version:       go1.18.7
 Git commit:       9fdeb9c
 Built:            Tue Oct 18 18:28:44 2022
 OS/Arch:          windows/amd64
 Context:          default
 Experimental:     true

C:\Users\bhawi>
```

AN ACCOUNT IN SENDGRID:

