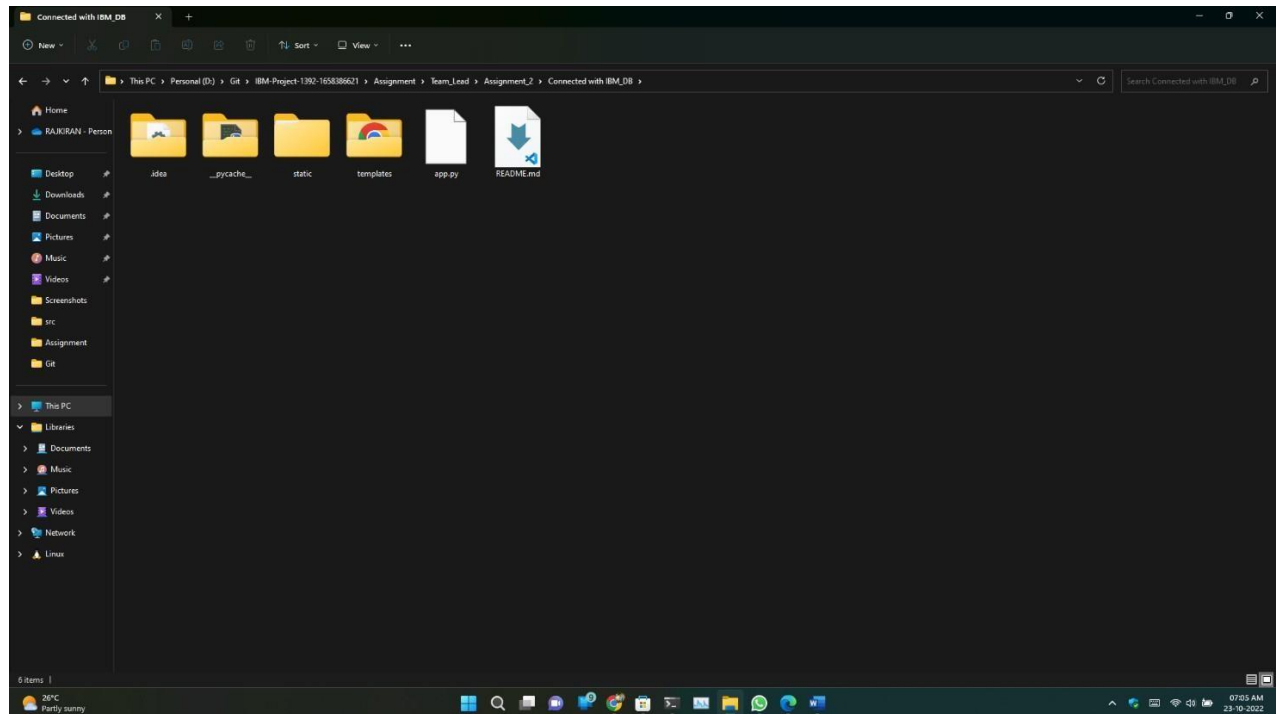
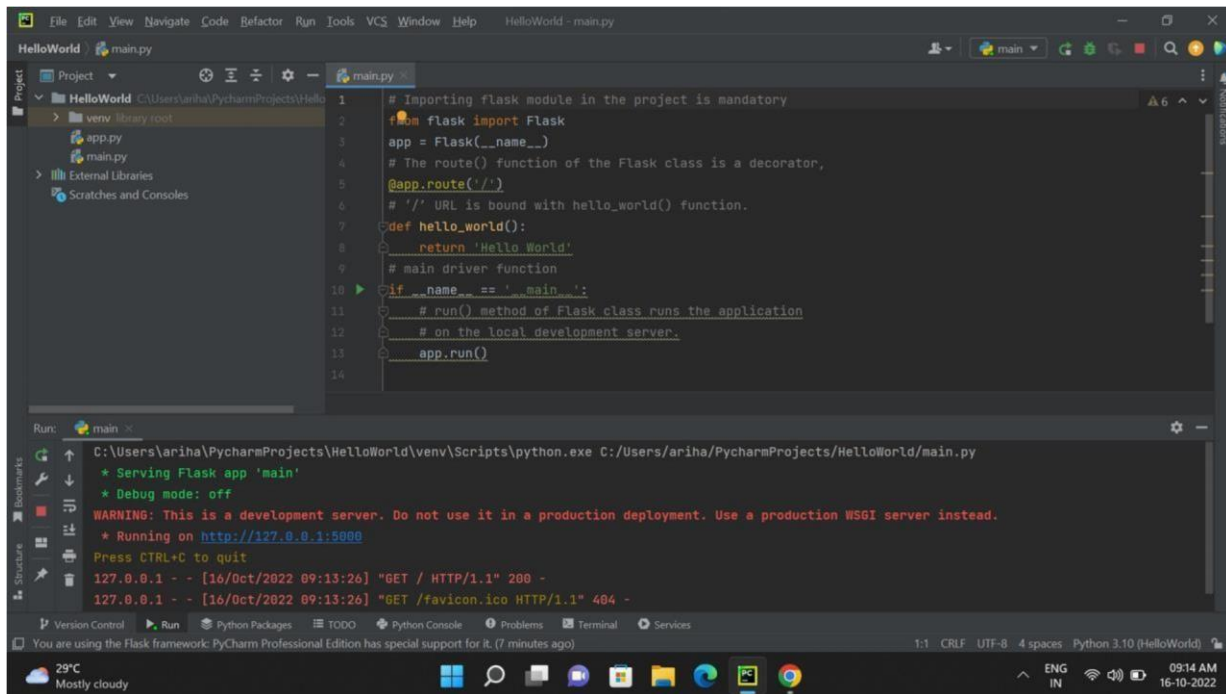


FUNCTIONAL FEATURES

Date	16 Oct 2022
Team ID	PNT2022TMID39755
Project Name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITIAN CITIES

FLASK SETUP:

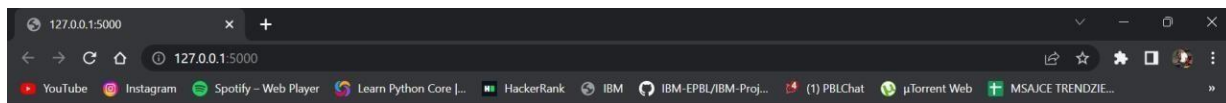




The image shows the PyCharm IDE interface. The main editor displays the code for `main.py`, which is a Flask application. The code includes comments explaining the steps: importing Flask, creating an app, defining a route for `/` that returns `'Hello World'`, and running the app. The Run console at the bottom shows the command executed: `C:\Users\ariha\PycharmProjects\HelloWorld\venv\Scripts\python.exe C:\Users\ariha\PycharmProjects\HelloWorld/main.py`. It also shows the output: `* Serving Flask app 'main'`, `* Debug mode: off`, and a warning about using a development server. The server is running on `http://127.0.0.1:5000`. The bottom status bar indicates the Python version is 3.10.

```
1 # Importing flask module in the project is mandatory
2 from flask import Flask
3 app = Flask(__name__)
4 # The route() function of the Flask class is a decorator,
5 @app.route('/')
6 # '/' URL is bound with hello_world() function.
7 def hello_world():
8     return 'Hello World'
9 # main driver function
10 if __name__ == '__main__':
11     # run() method of Flask class runs the application
12     # on the local development server.
13     app.run()
14
```

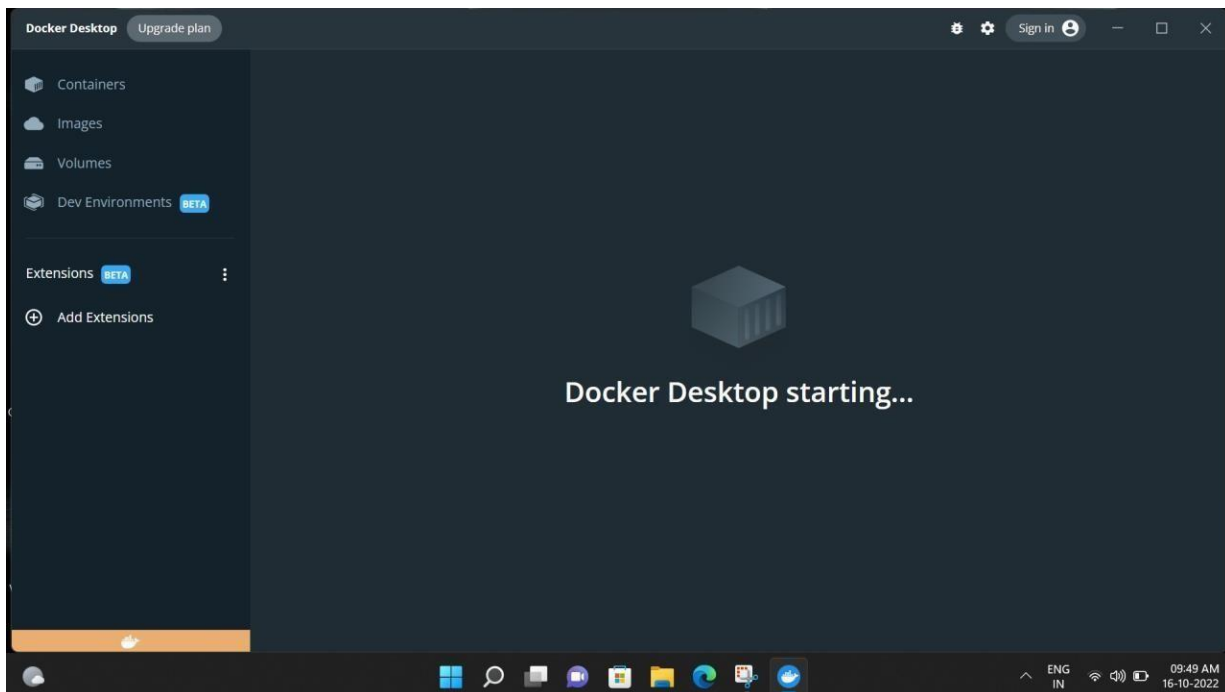
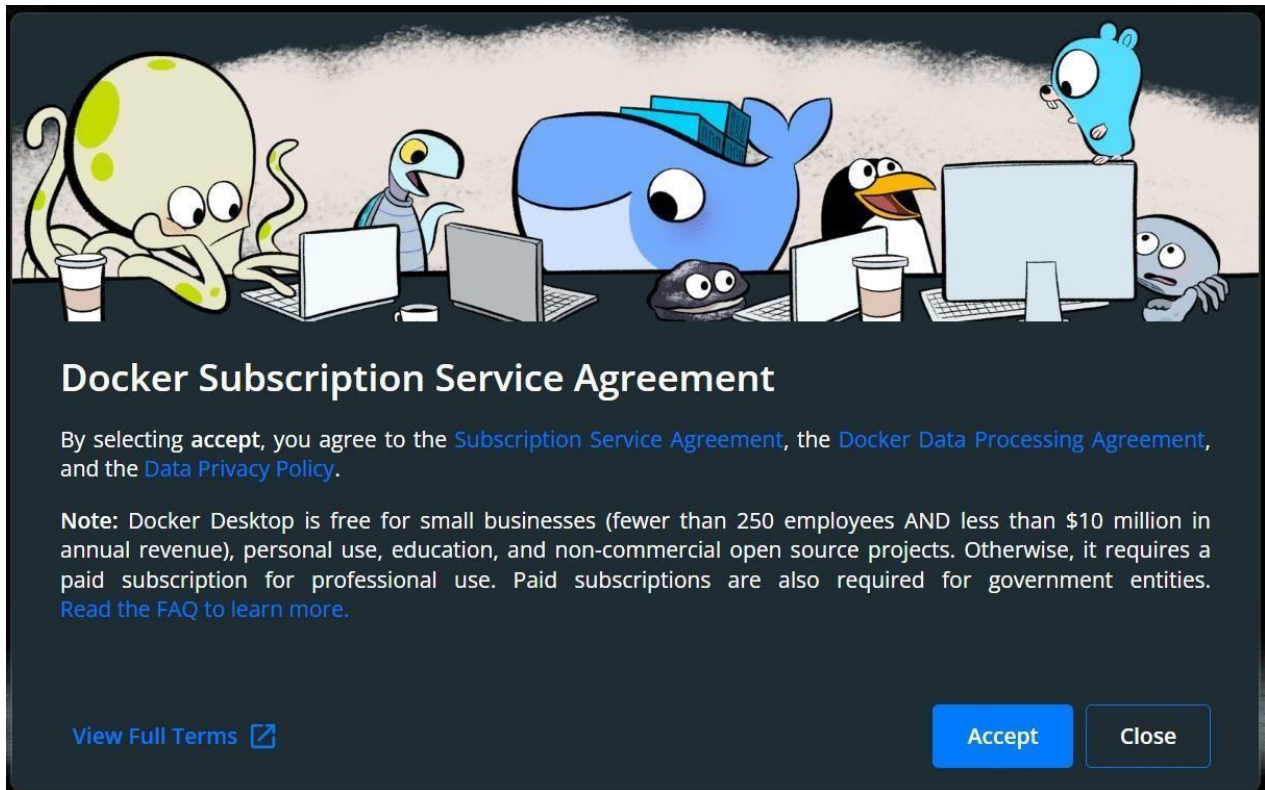
Run: `C:\Users\ariha\PycharmProjects\HelloWorld\venv\Scripts\python.exe C:\Users\ariha\PycharmProjects\HelloWorld/main.py`
* Serving Flask app 'main'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on <http://127.0.0.1:5000>
Press CTRL+C to quit
127.0.0.1 - - [16/Oct/2022 09:13:26] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Oct/2022 09:13:26] "GET /favicon.ico HTTP/1.1" 404 -



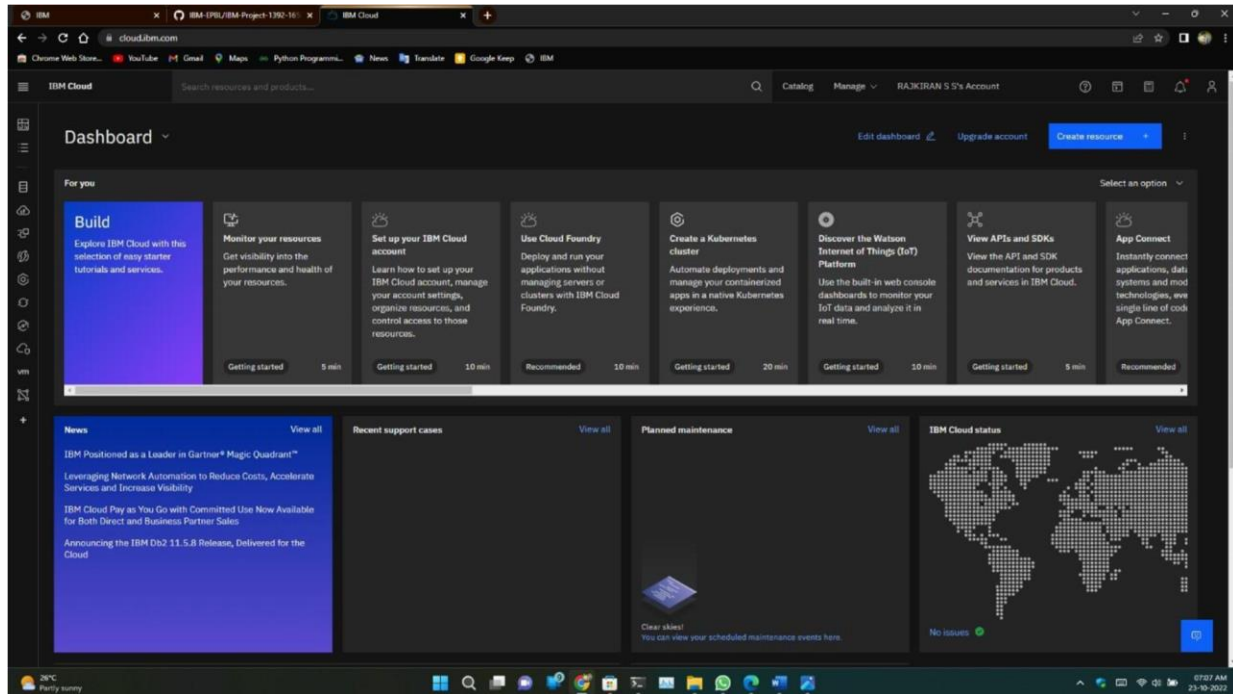
Hello World



DOCKER SETUP:

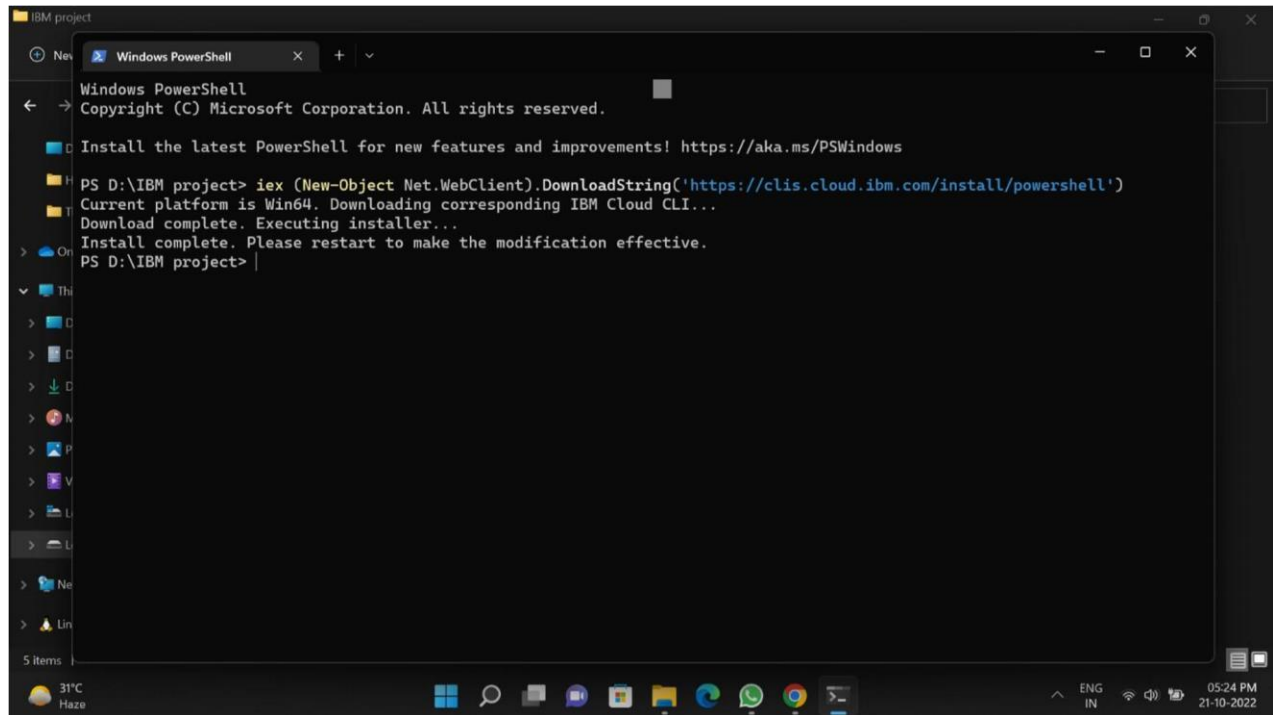


COLUD ACCOUNT CREATION:



SENDGRID ACCOUNT CREATION:

IBM CLOUD CLI INSTALL :



```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS D:\IBM project> iex (New-Object Net.WebClient).DownloadString('https://clis.cloud.ibm.com/install/powershell')
Current platform is Win64. Downloading corresponding IBM Cloud CLI...
Download complete. Executing installer...
Install complete. Please restart to make the modification effective.
PS D:\IBM project>
```

