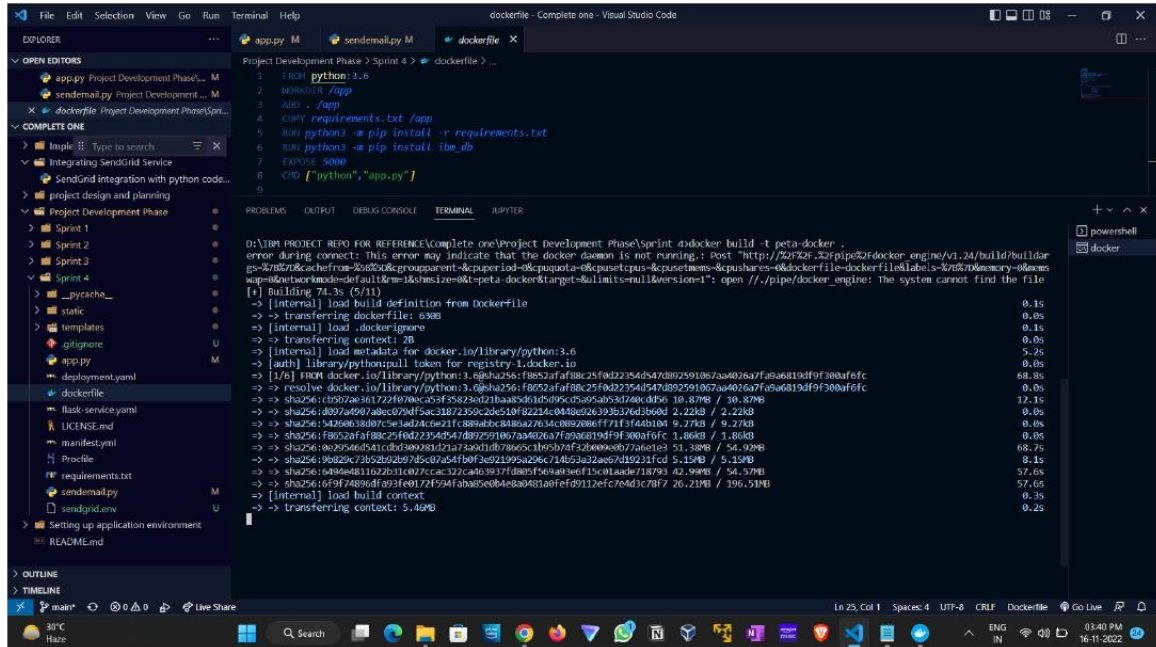
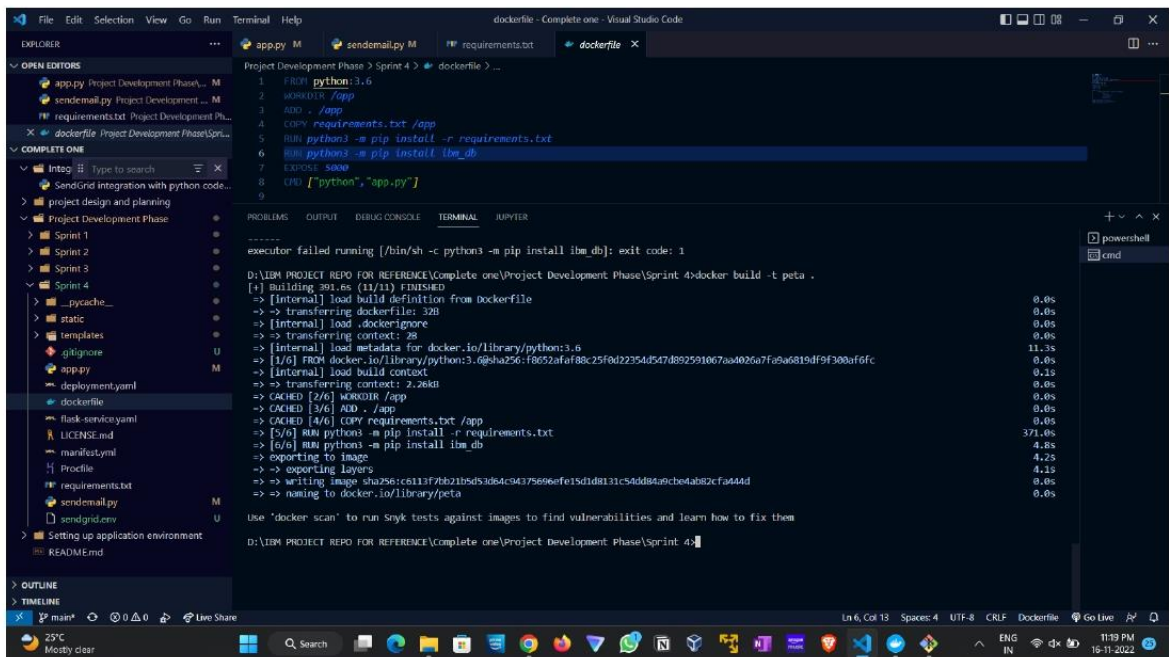


Containerize the app:

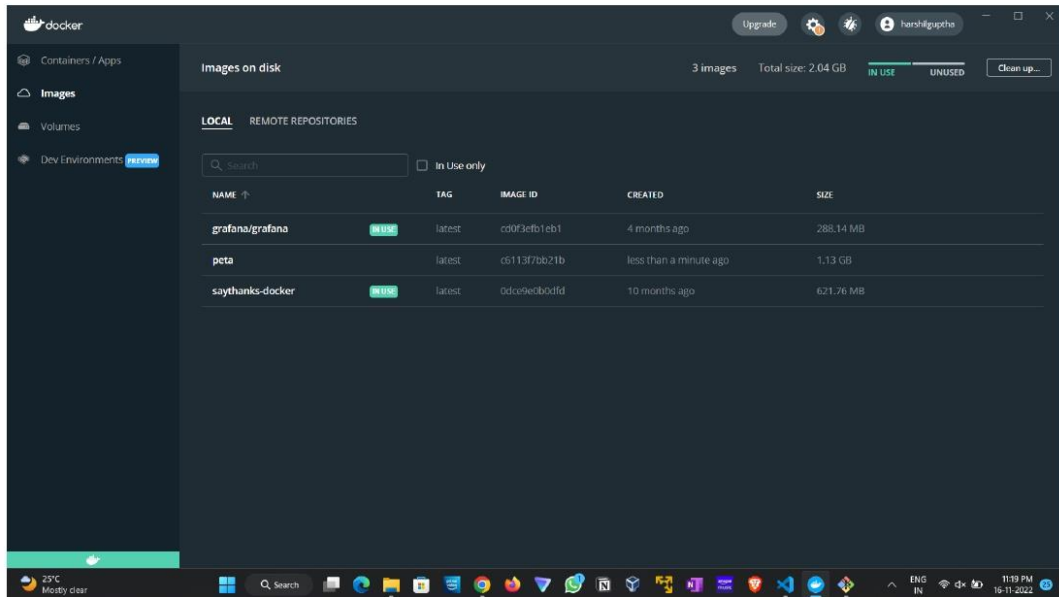
1. Building docker image



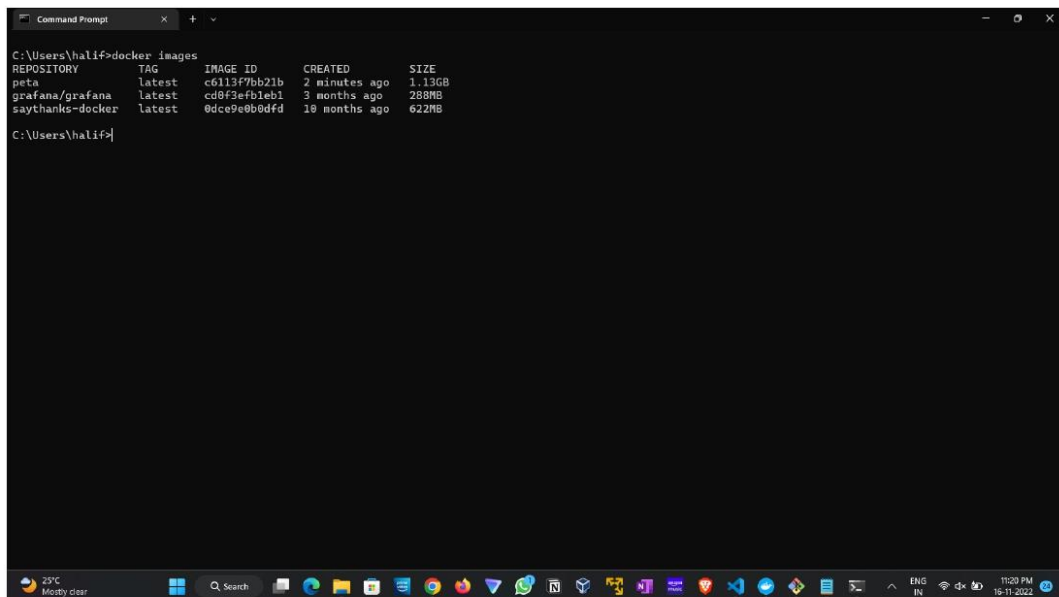
2. Docker image successfully built



3. Docker image showing in Docker GUI



4. Docker images showing in CMD



5. Docker image running

```
Command Prompt - docker x
C:\Users\halif>docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
peta                 latest             c6113f7bb21b       2 minutes ago      1.13GB
grafana/grafana      latest             cd8f3efb1eb1       3 months ago       288MB
saythanks-docker     latest             0dce9e0b0dfd       18 months ago      622MB

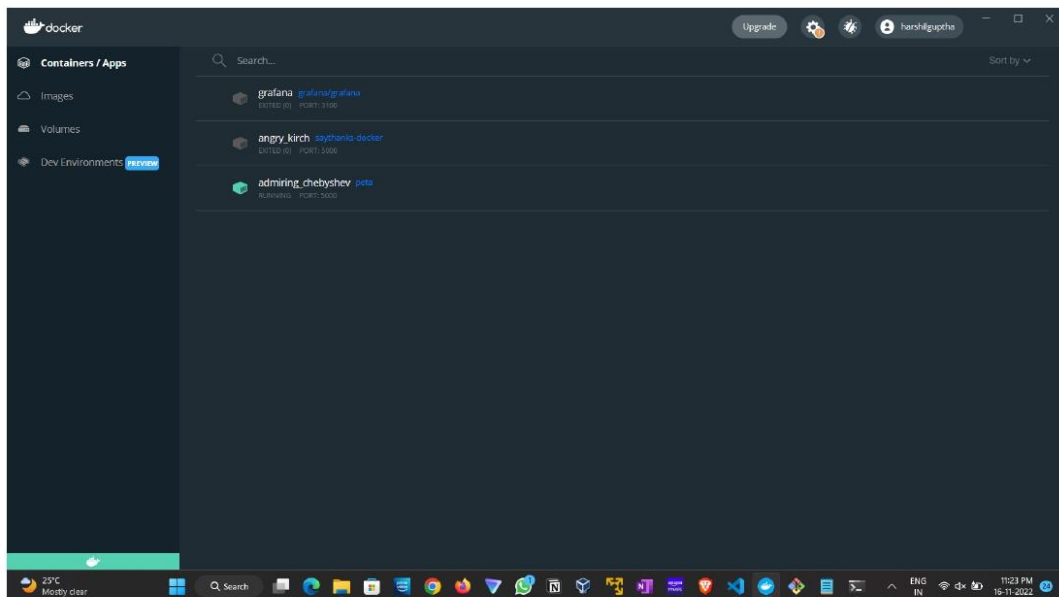
C:\Users\halif>docker run -p 5000:5000 peta
Traceback (most recent call last):
  File "app.py", line 62, in <module>
    ibm_db_conn = ibm_db.connect(conn_str, '', '')
Exception: [IBM][CLI Driver] SQL0438N  Application raised error or warning with diagnostic text: "Exceeded maximum limit of 5 connections. Connection refuse
d".  SQLSTATE=42502  SQLCODE=-438

During handling of the above exception, another exception occurred:

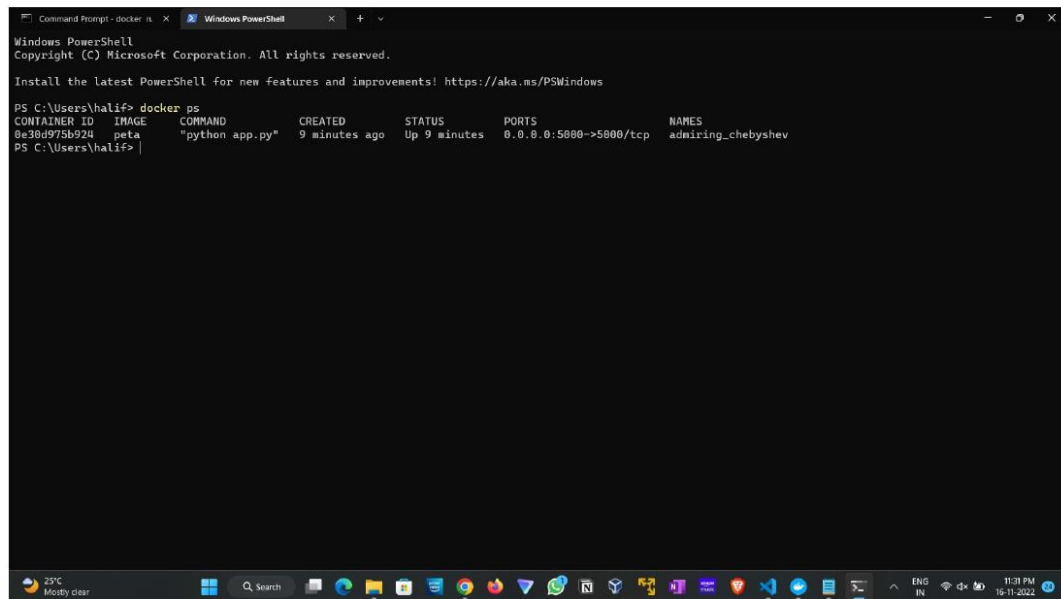
Traceback (most recent call last):
  File "app.py", line 66, in <module>
    print("IBM DB Connection error : " + DB2.conn_errormsg())
AttributeError: type object 'DB2' has no attribute 'conn_errormsg'

C:\Users\halif>docker run -p 5000:5000 peta
Database connected without any error !!
* Serving Flask app 'app' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Running on all addresses.
  WARNING: This is a development server. Do not use it in a production deployment.
* Running on http://172.17.0.2:8080/ (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 116-345-602
```

6. Container when running



7. Running container



The screenshot shows a Windows PowerShell terminal window with the following content:

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

PS C:\Users\halif> docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                    NAMES
8e38d975b92d   peta     "python app.py"         9 minutes ago Up 9 minutes   0.0.0.0:5880->5880/tcp   admiring_chebyshev
PS C:\Users\halif>
```

The terminal window has a title bar with "Command Prompt - docker it" and "Windows PowerShell". The taskbar at the bottom shows the Windows Start button, a search bar, and various application icons. The system tray on the right indicates the temperature is 25°C, mostly clear, and the time is 11:31 PM on 15-11-2022.