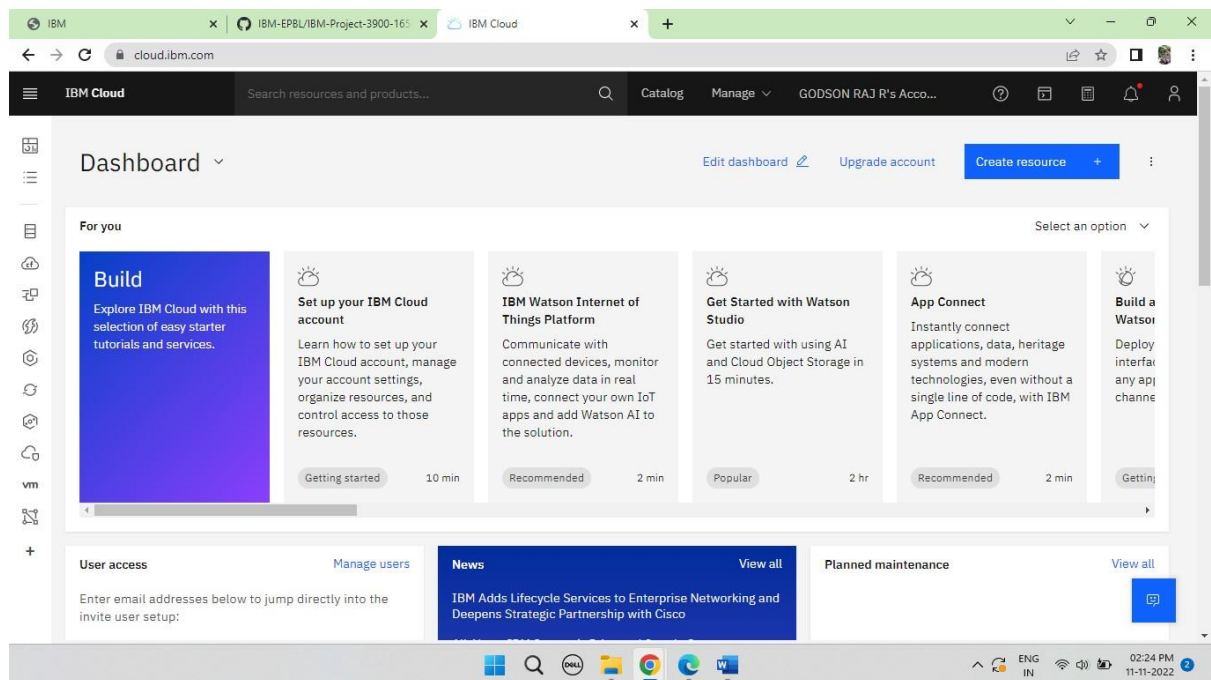


## IMPLEMENTING WEB APPLICATION

Date	7 November, 2022
Team ID	PNT2022TMID31636
Project Name	Plasma Donor Application

### Create IBM DB2 And Connect with Python

❖ Login to IBM Cloud Account



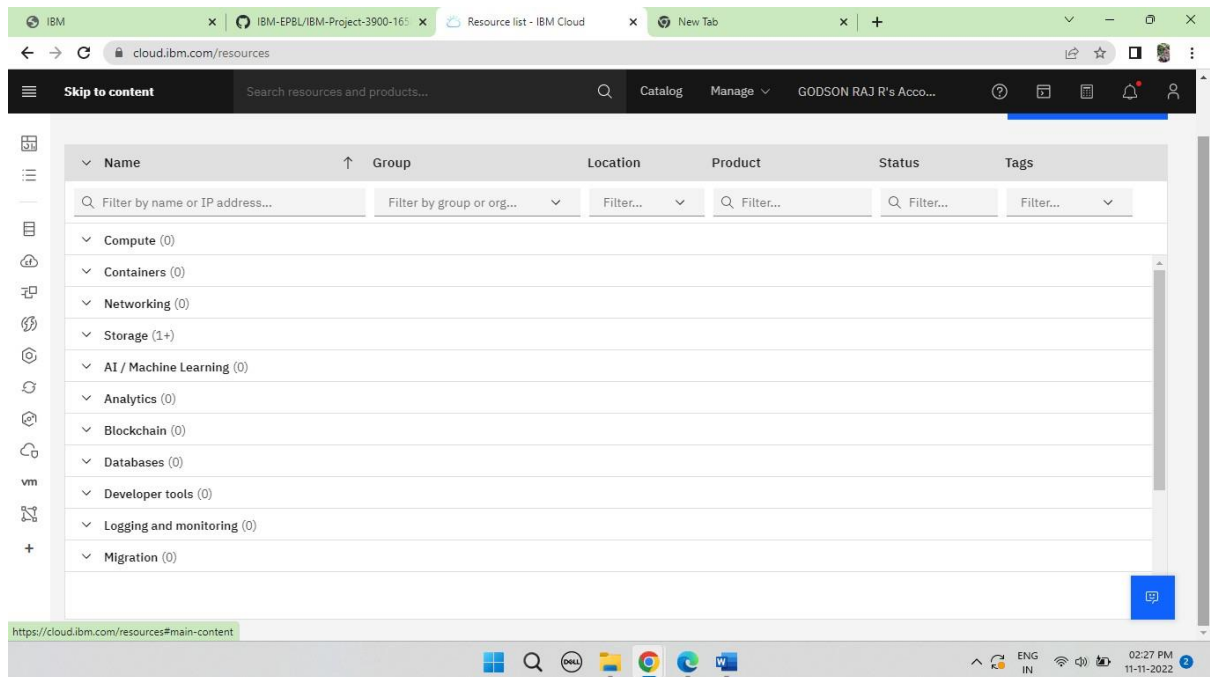
## ❖ Search for IBM DB2 and Create a DB2 service

The screenshot shows the IBM Cloud dashboard with a search bar at the top. The search results for "Db2" are displayed, showing "0 resource results found". Below the search bar, there are links to "Catalog Results" and "View all catalog results". The main content area shows a "For you" section with a "Build" card. To the right, there are several service cards: "Get Started with Watson Studio", "App Connect", and "Build a Watson". The bottom of the dashboard shows "User access", "News", and "Planned maintenance" sections.

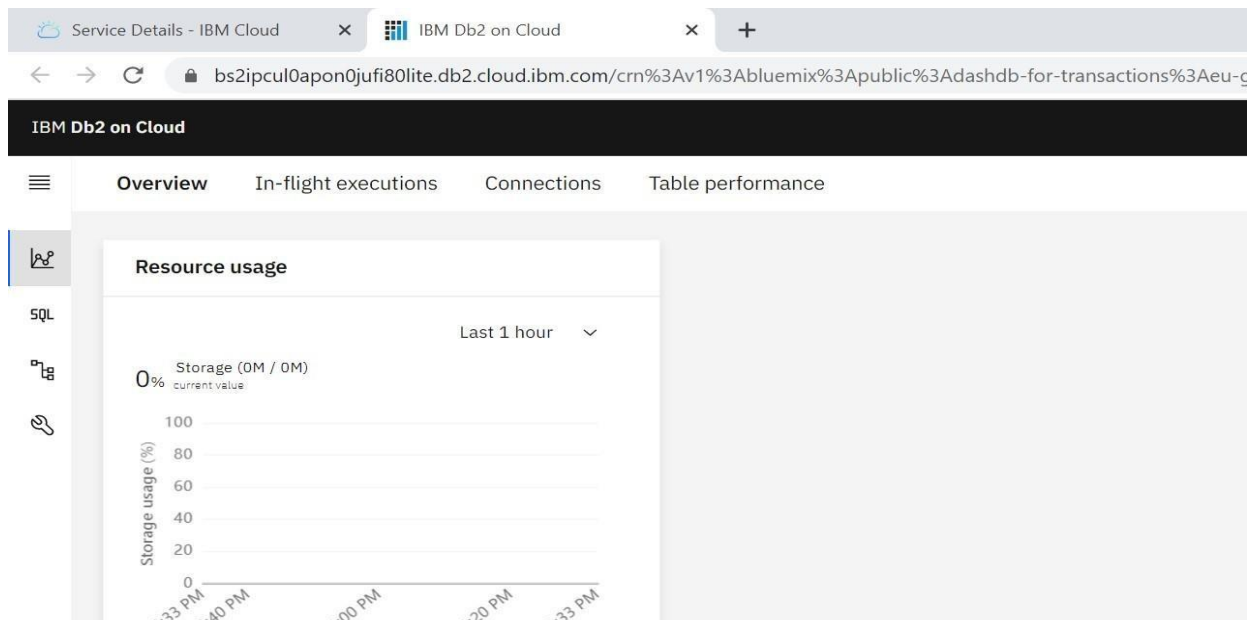
The screenshot shows the IBM Cloud catalog page for the Db2 service. The page is titled "Db2" and includes a description: "A fully managed, highly-performant relational data store running the enterprise-class Db2 database engine." The "Create" tab is selected, and the "Select a location" dropdown is set to "London (eu-gb)". The "Select a pricing plan" section shows a table with two plans: "Lite" and "Free". The "Lite" plan is selected, and its details are shown in a modal. The "Free" plan is also shown, with a note that it provides a free Db2 service for development and evaluation. The right sidebar shows the "Summary" section with details: "Db2", "Location: London", "Plan: Lite", "Service name: Db2-5w", and "Resource group: Default". The "Create" button is visible at the bottom of the sidebar.

Plan	Features	Pricing
Lite	200 MB of data storage 5 simultaneous connections Shared multitenant system	Free
Free	The Free plan provides a free Db2 service for development and evaluation. The plan has a set amount of	

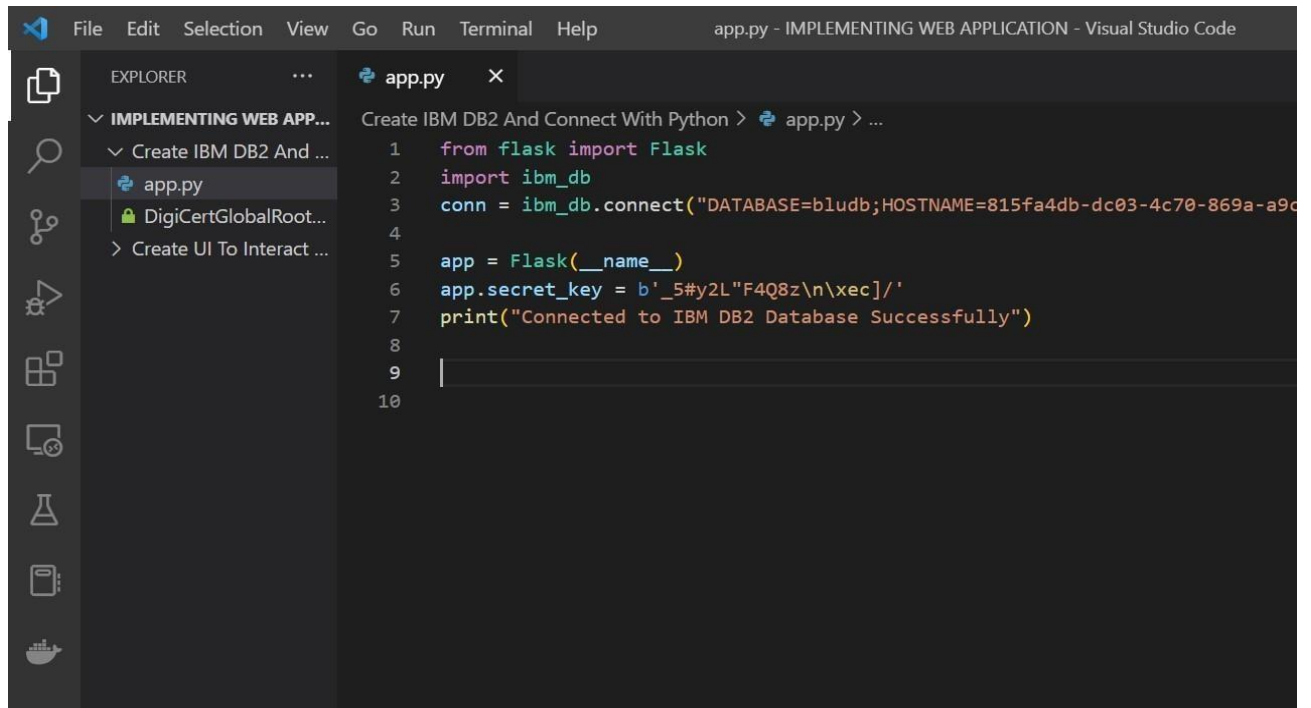
## ❖ Go to Resources and select IBM db2



## ❖ Create New Service credentials and Go to UI



❖ Paste those credentials in the python code

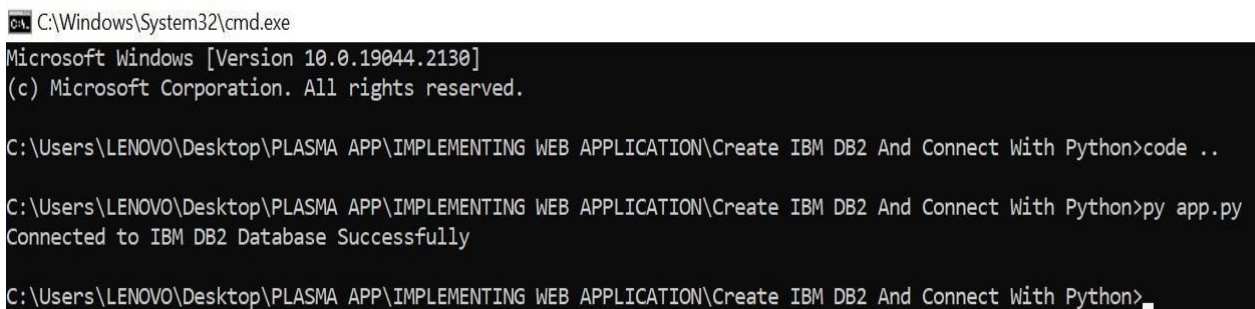


```
File Edit Selection View Go Run Terminal Help app.py - IMPLEMENTING WEB APPLICATION - Visual Studio Code

EXPLORER
  IMPLEMENTING WEB APP...
    Create IBM DB2 And ...
      app.py
      DigiCertGlobalRoot...
    > Create UI To Interact ...

app.py
1  from flask import Flask
2  import ibm_db
3  conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=815fa4db-dc03-4c70-869a-a9c
4
5  app = Flask(__name__)
6  app.secret_key = b'_5#y2L"F4Q8z\n\xec]/'
7  print("Connected to IBM DB2 Database Successfully")
8
9
10
```

❖ Run the python code in cmd



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\LENOVO\Desktop\PLASMA APP\IMPLEMENTING WEB APPLICATION\Create IBM DB2 And Connect With Python>code ..

C:\Users\LENOVO\Desktop\PLASMA APP\IMPLEMENTING WEB APPLICATION\Create IBM DB2 And Connect With Python>py app.py
Connected to IBM DB2 Database Successfully

C:\Users\LENOVO\Desktop\PLASMA APP\IMPLEMENTING WEB APPLICATION\Create IBM DB2 And Connect With Python>_
```