

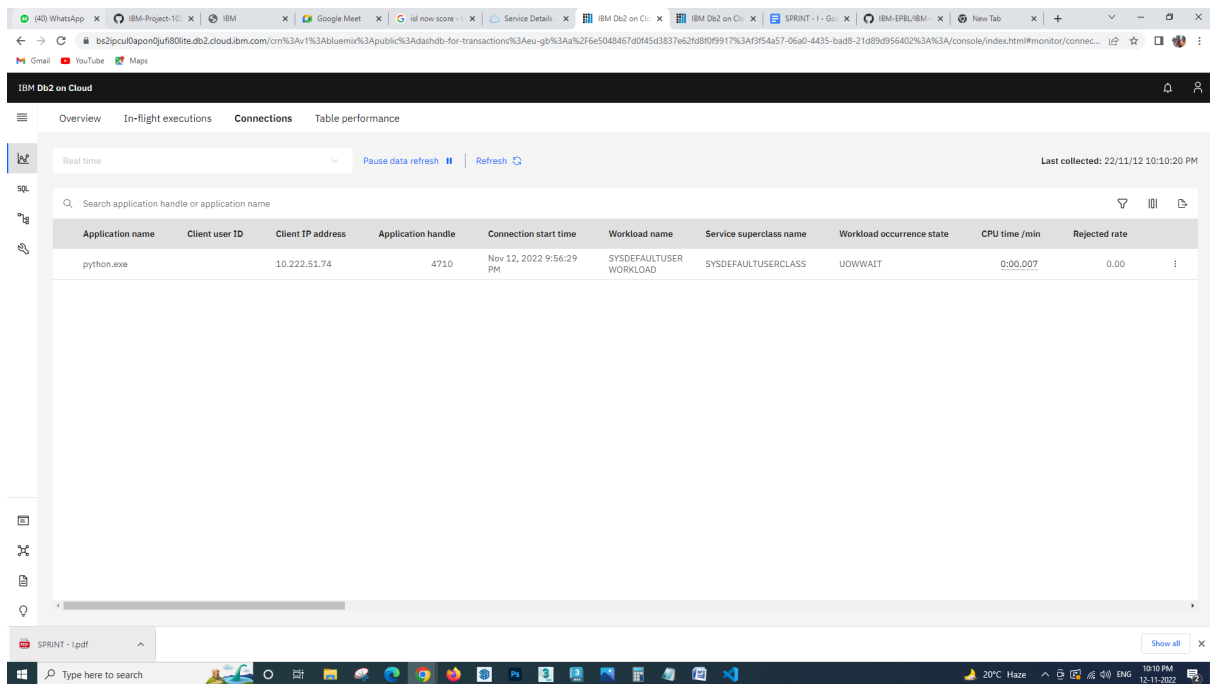
# IMPLEMENTING WEB APPLICATION

## Create IBM\_DB2 And Connect With Python :

Team Id : PNT2022TMID27048

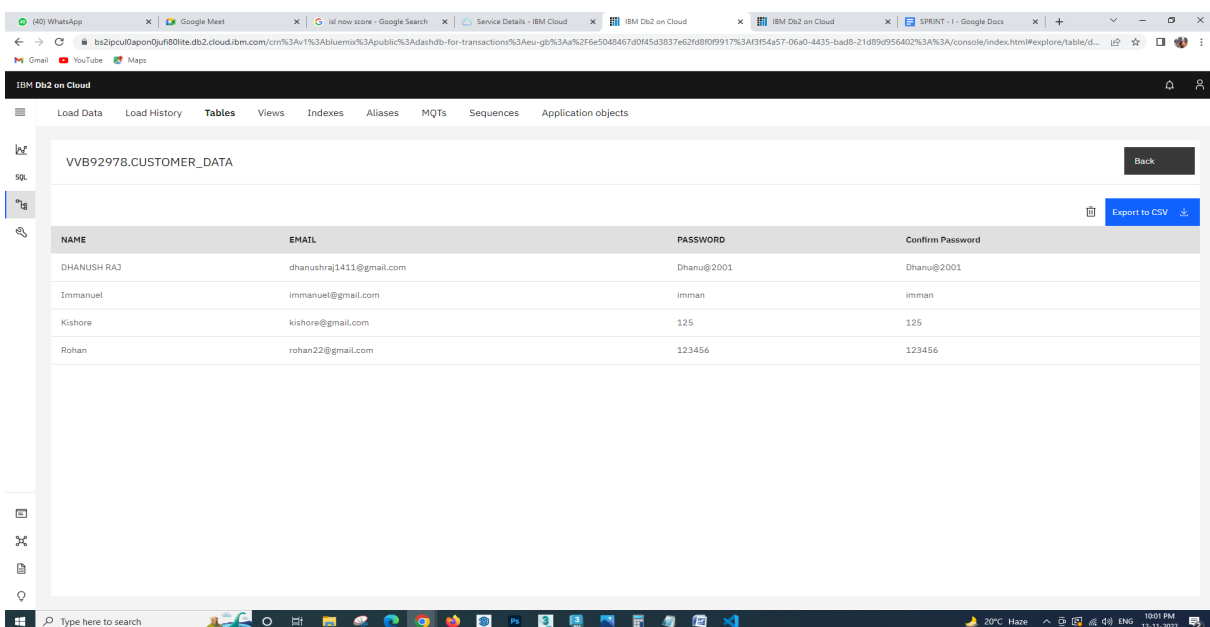
Project Name : Inventory Management System For Retailers

## Connected the IBM\_db2 using Python :



The screenshot shows the IBM Db2 on Cloud console interface. The top navigation bar includes tabs for Overview, In-flight executions, Connections, and Table performance. The 'Connections' tab is active, displaying a table of active connections. The table has columns for Application name, Client user ID, Client IP address, Application handle, Connection start time, Workload name, Service superclass name, Workload occurrence state, CPU time /min, and Rejected rate. A single connection is listed for 'python.exe' with a client IP of 10.222.51.74 and a connection start time of Nov 12, 2022 9:56:29 PM. The console also shows a search bar, a 'Pause data refresh' button, and a 'Refresh' button. The bottom status bar indicates the last collected data was on 22/11/22 at 10:10:20 PM.

Application name	Client user ID	Client IP address	Application handle	Connection start time	Workload name	Service superclass name	Workload occurrence state	CPU time /min	Rejected rate
python.exe		10.222.51.74	4710	Nov 12, 2022 9:56:29 PM	SYSDEFAULTUSER WORKLOAD	SYSDEFAULTUSERCLASS	UOWWAIT	0:00.007	0.00



The screenshot shows the IBM Db2 on Cloud console interface, specifically the 'Tables' tab. The table 'VVB92978.CUSTOMER\_DATA' is displayed. The table has columns for NAME, EMAIL, PASSWORD, and Confirm Password. The data is as follows:

NAME	EMAIL	PASSWORD	Confirm Password
DHANUSH RAJ	dhanushraj1411@gmail.com	Dhanu@2001	Dhanu@2001
Immanuel	immanuel@gmail.com	imman	imman
Kishore	kishore@gmail.com	125	125
Rohan	rohan22@gmail.com	123456	123456

The console also shows a search bar, a 'Back' button, and an 'Export to CSV' button. The bottom status bar indicates the last collected data was on 12-11-2022 at 10:01 PM.

## Source Code :

The image shows a screenshot of the Visual Studio Code editor interface. The main editor window displays a Python file named `app.py` which is part of a Flask web application. The code includes imports for `Flask`, `render_template`, `request`, `redirect`, `url_for`, `session`, `os`, `sendgrid`, `helpers`, `mail`, `Mail`, `db`, `conn`, and `print`. The application uses a SQLite database named `flask.db` and connects to it using the `sqlite3` module. The database has a table named `users` with columns `id`, `username`, `password`, and `email`. The application has several routes: `/` (home), `/index`, `/login`, `/signup`, and `/adminlogin`. The `login` route checks if a user exists in the database and logs them in if the password is correct. The `signup` route adds a new user to the database. The `adminlogin` route is also present. The application is run using `Flask(__name__)` and `app.run()`. The terminal window at the bottom shows the command `python app.py` being executed, and the output indicates that the database connection is established and the application is running on `http://127.0.0.1:5000`. The status bar at the bottom shows the file is named `app.py` and is part of a project named `Flask`.

The image shows a Windows 10 desktop with a Visual Studio Code (VS Code) editor open. The editor is displaying a Python file named `app.py` located at `C:\Users\DELL\XPS\Desktop\New website\app.py`. The code defines two routes: `signup` and `login`. The `signup` route uses `request.form` to get user details and inserts them into a database table named `CUSTOMER_DATA`. The `login` route checks the credentials against the database. The terminal at the bottom shows the command `python app.py` being executed. The taskbar at the bottom of the screen shows various open applications, including the Start menu, File Explorer, and several web browsers. The system clock in the bottom right corner indicates the time is 12:11 PM on 12-11-2022.