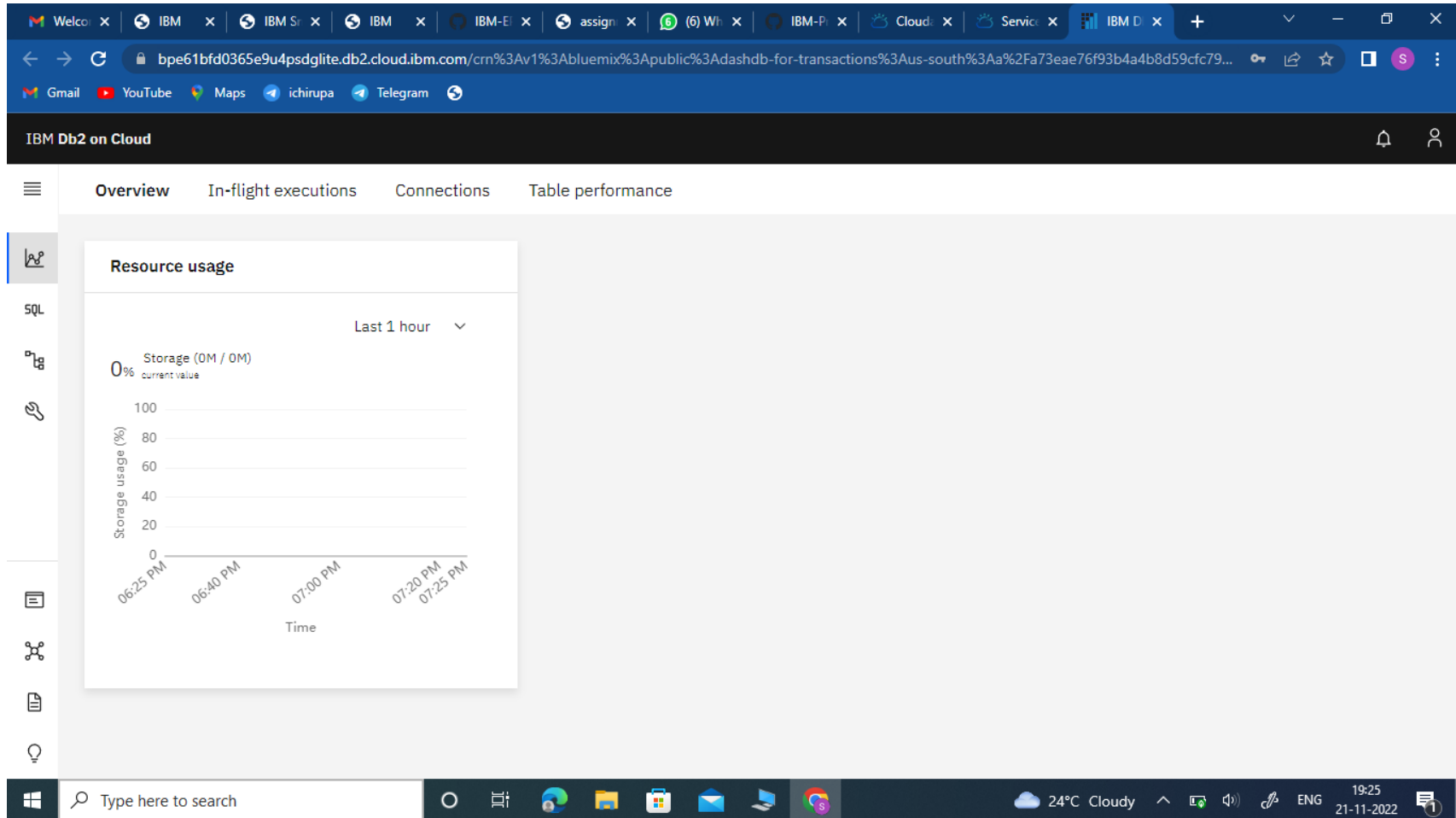


## Create IBM DB2 And Connect With Python

Date	16 NOVEMBER 2022
Team ID	PNT2022TMID44683
Project Name	SKILL/JOB RECOMMENDED APPLICATION

## IBM DB2:



## DB2 with python:

C:\Users\sugi\Desktop\Flask\app.py - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

app.py dem.py

```
1 from flask import Flask
2 from flask import render_template
3
4 app = Flask(__name__)
5
6 app.config.from_object('config')
7
8 app.config['SQLALCHEMY_DATABASE_URI'] = 'mysql://root:root@localhost:3306/flask'
9
10 app.config['SQLALCHEMY_TRACK_MODIFICATIONS'] = False
11
12 db = SQLAlchemy(app)
13
14 @app.route('/')
15 def index():
16     return render_template('index.html')
17
18 if __name__ == '__main__':
19     app.run()
```

C:\Windows\System32\cmd.exe

```
C:\Users\sugi\Desktop\Flask>pip install flask-mysqldb
Requirement already satisfied: flask-mysqldb in c:\users\sugi\appdata\local\programs\python\python37\lib\site-packages (0.1.0)
Requirement already satisfied: Flask>=0.12.4 in c:\users\sugi\appdata\local\programs\python\python37\lib\site-packages (from flask-mysqldb) (2.2.2)
Requirement already satisfied: mysqlclient>=1.3.7 in c:\users\sugi\appdata\local\programs\python\python37\lib\site-packages (from flask-mysqldb) (1.4.6)
Requirement already satisfied: Jinja2>=3.0 in c:\users\sugi\appdata\local\programs\python\python37\lib\site-packages (from Flask>=0.12.4->flask-mysqldb) (3.1.2)
Requirement already satisfied: importlib-metadata>=3.6.0 in c:\users\sugi\appdata\local\programs\python\python37\lib\site-packages (from Flask>=0.12.4->flask-mysqldb) (4.11.4)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\sugi\appdata\local\programs\python\python37\lib\site-packages (from Flask>=0.12.4->flask-mysqldb) (2.2.2)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\sugi\appdata\local\programs\python\python37\lib\site-packages (from Flask>=0.12.4->flask-mysqldb) (2.1.2)
Requirement already satisfied: click>=8.0 in c:\users\sugi\appdata\local\programs\python\python37\lib\site-packages (from Flask>=0.12.4->flask-mysqldb) (8.1.3)
Requirement already satisfied: colorama in c:\users\sugi\appdata\local\programs\python\python37\lib\site-packages (from click>=8.0->Flask>=0.12.4->flask-mysqldb) (0.4.4)
Requirement already satisfied: typing-extensions>=3.6.4 in c:\users\sugi\appdata\local\programs\python\python37\lib\site-packages (from importlib-metadata>=3.6.0->Flask>=0.12.4->flask-mysqldb) (4.2.0)
Requirement already satisfied: zipp>=0.5 in c:\users\sugi\appdata\local\programs\python\python37\lib\site-packages (from importlib-metadata>=3.6.0->Flask>=0.12.4->flask-mysqldb) (3.8.0)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\sugi\appdata\local\programs\python\python37\lib\site-packages (from Jinja2>=3.0->Flask>=0.12.4->flask-mysqldb) (2.1.1)

C:\Users\sugi\Desktop\Flask>
```

Python file length: 552 lines: 24 Ln: 8 Col: 33 Sel: 0 | 0 Windows (CR LF) UTF-8 INS

Type here to search 26°C 19:23 20-09-2022

## Data Base Creation:

The screenshot displays the IBM Db2 on Cloud web interface. The browser's address bar shows the URL: `bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2Fa73eae76f93b4a4b8d59...`. The interface includes a top navigation bar with tabs for 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' tab is active, showing a search bar and a 'Refresh' button. Below the search bar, a table lists the available tables:

Name	Schema	Properties
USERS	PSC11614	...

The 'USERS' table is selected. To the right, the 'Table definition' panel shows the schema details for the 'USERS' table:

Name	Data type	Nullable	Length	Scale
User Name	VARCHAR	Y	32	0
EMAIL	VARCHAR	Y	32	0
PASSWORD	VARCHAR	Y	32	0

Below the table definition, there is a 'View data' button. The bottom of the screen shows the Windows taskbar with the search bar, system tray, and the date/time (20:11, 21-11-2022).