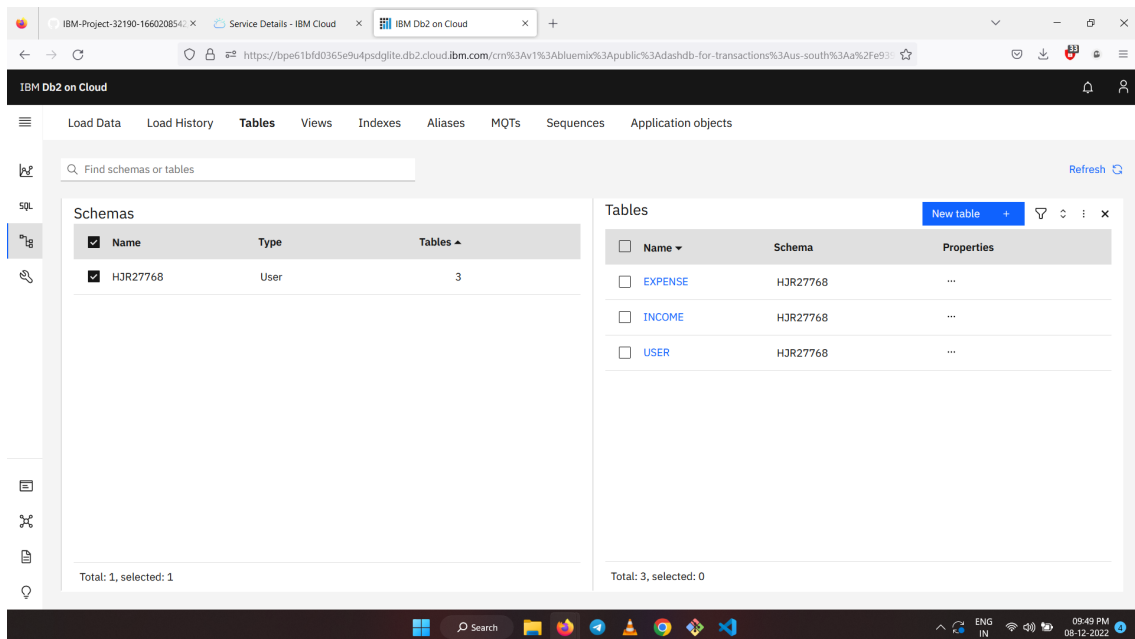
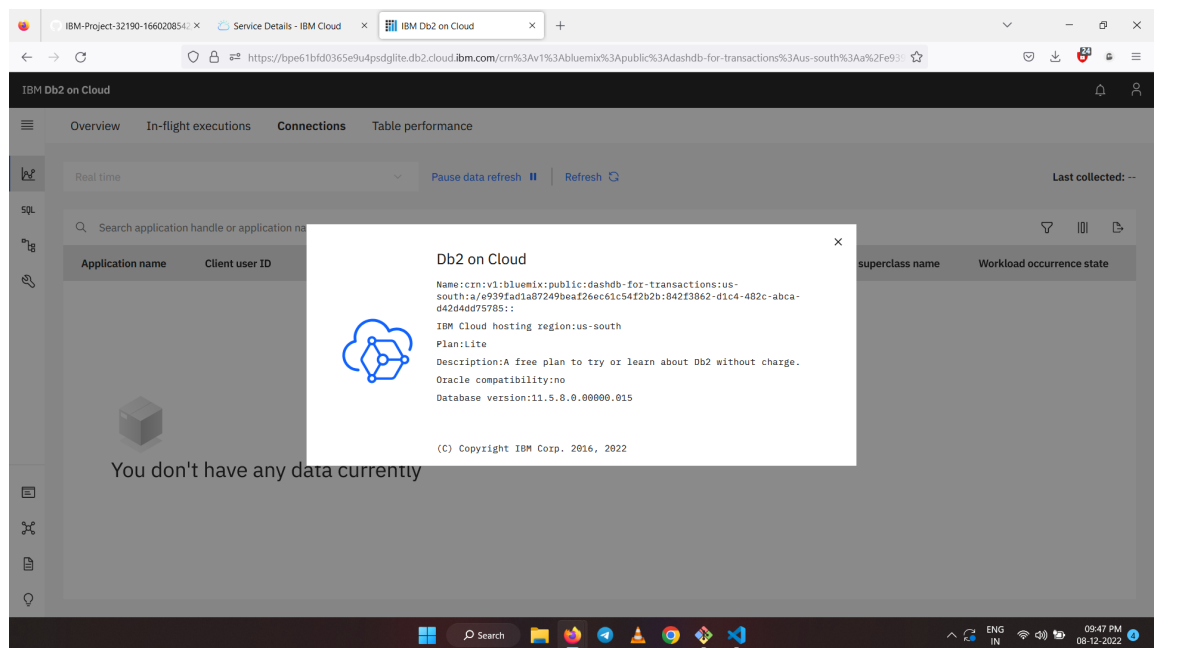


# Implementing Web Application

Team ID	PNT2022TMID13848
Project Name	Project - Personal Expense Tracker Application

## Create IBM DB2 and Connect with Python

### IBM DB2:



The screenshot shows the IBM Db2 on Cloud console. The left sidebar contains navigation icons for Connections, SQL, and a search icon. The main content area is titled 'Connections' and has tabs for Linux, PowerLinux, Mac, and Windows. The 'Linux' tab is selected, showing 'Instructions' and 'Connection configuration resources'.

**Instructions**

- Download Linux driver package**  
Download Linux driver package from [driver list](#)  
File name: ibm\_data\_server\_driver\_package\_linuxx64\_y11.5.tar.gz (70 MB)
- Run the following example commands to decompress the file**  

```
gunzip ibm_data_server_driver_package_linuxx64_y11.5.tar.gz
tar -xvzf ibm_data_server_driver_package_linuxx64_y11.5.tar.gz
```

A dsdriver subdirectory is created.
- Extract the Java and ODBC/CLI drivers by running the following command from the dsdriver directory:**  

```
./installDSDriver
```

The installDSDriver command creates the db2profile and db2cshrc script files in the dsdriver directory.

**Connection configuration resources**

**Host name:** b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqrk39u98g.databases.appdomain.cloud  
**With SSL:** Yes  
**Port number:** 31249  
**Database name:** bludb  
**User ID:** <user name>  
**Password:** \*\*\*\*\*  
**Version:** Compatible with Db2, Version 11.5.0 or later

[Download SSL Certificate](#)

**JDBC string**

```
jdbc:db2://b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqrk39u98g.databases.appdomain.cloud:31249/bludb:user=<user name>;password=<your password>;sslConnection=true;
```

## Connect with Python

The screenshot shows a code editor with a file named 'connection.py'. The code is as follows:

```
1 import ibm_db
2
3 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=9938aec0-8105-433e-8bf9-0fb7e483086.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32459;SECURITY=SSL;SSLServerCertificate=0")
4
5 print(conn)
```

Below the code editor is a terminal window. It shows the command to run the script using Python 3.7:

```
PS D:\IBM\Our Work\Preparation Phase\Assignment 2> & C:/Users/navee/AppData/Local/Programs/Python/Python37/python.exe "d:/IBM/Our Work/Preparation Phase/Assignment 2/connection.py"
```

The output of the script is:

```
<ibm_db.IBM_DBConnection object at 0x0000025E47C82930>
```