

Date	16 November 2022
Team ID	PNT2022TMID44295
Project Name	Smart Fashion Recommender Application
Batch Number	B8-2A4E

## IBM db2 :

The screenshot displays the IBM Db2 on Cloud console interface. The top navigation bar includes tabs for 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' tab is currently selected. Below the navigation bar, the 'Generate SQL' section is active, showing a SQL editor with the following code:

```
1
2 CREATE TABLE "PRC24969".users (
3   username VARCHAR(32) NOT NULL ,
4   email VARCHAR(32) NOT NULL ,
5   rollnumber BIGINT NOT NULL ,
6   password VARCHAR(32) NOT NULL );
7
8
9
10
```

The editor includes a toolbar with icons for undo, redo, code editor, and other functions. A 'Run all' button is visible on the right. Below the editor, a 'History' section is partially visible. The bottom of the screen shows a Windows taskbar with various application icons and a system tray indicating the temperature (30°C) and time (14:46, 15-11-2022).

IBM Db2 on Cloud

Data objects | Saved objects

Filter objects

SQL

PRC24969

- Tables
- Views
- MQTs
- Aliases
- Nicknames

\*Untitled - 1

```
1 INSERT INTO users VALUES('DIVYAANANTH','divi17@gmail.com',10,'divi@2001');
2 INSERT INTO users VALUES('HARISHWARAN','hari@gmail.com',19,'hari#vijay');
3 INSERT INTO users VALUES('KAPILAN','kapil23@gmail.com',23,'kapil23@2001');
4 INSERT INTO users VALUES('HAREESH SINGH','singh@gmail.com',18,'singh@2002');
5 SELECT * FROM users;
6
7
```

History

Find history

Script	Date	Status	Runtime
Untitled - 1	Nov 15, 2022 2:40:07 PM	5	0.027 s
INSERT INTO users VALUES('DIVYAANANTH','divi17@gmail.com',10,'divi@2001')			0.007 s
INSERT INTO users VALUES('HARISHWARAN','hari@gmail.com',19,'hari#vijay')			0.007 s
INSERT INTO users VALUES('KAPILAN','kapil23@gmail.com',23,'kapil23@2001')			0.005 s
INSERT INTO users VALUES('HAREESH SINGH','singh@gmail.com',18,'singh@2002')			0.005 s

30°C Mostly sunny

ENG IN 15-11-2022 14:40

IBM Db2 on Cloud

Load Data | Load History | **Tables** | Views | Indexes | Aliases | MQTs | Sequences | Application objects

PRC24969.USERS

Back

Export to CSV

USERNAME	EMAIL	ROLLNUMBER	PASSWORD
DIVYAANANTH	divi17@gmail.com	10	divi@2001
HAREESH SINGH	singh@gmail.com	18	singh@2002
HARISHWARAN	hari@gmail.com	19	hari#vijay
KAPILAN	kapil23@gmail.com	23	kapil23@2001

30°C Mostly sunny

ENG IN 15-11-2022 14:41

## Connect db2 to python:

```
import ibm_db

conn = ibm_db.connect("DATABASE=bludb; HOSTNAME=2f3279a5-73d1-4859-88f0-
a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30756;
SECURITY=SSL;      SSLServerCertificate=DigiCertGlobalRootCA.crt;      UID=jhk48064;
PWD=pcsPf5G40FoUexOI", "", "") sql = "select * from user" sql = ibm_db.prepare(conn,
sql) dt = ibm_db.execute(sql) while True:

data          =

ibm_db.fetch_tuple(s

ql)          if not data:

break  print(data)
```

## Output:

```
C:\Python310\python.exe "C:\My_code\Smart Fashion Recommender\DB Connector.py"
('DIVYAANANTH', 'divi17@gmail.com', '10', 'divi@2001')
('HARISHWARAN', 'hari@gmail.com', '19', 'hari#vijay')
('KAPILAN', 'kapil23@gmail.com', '23', 'kapil23@2001')
('HAREESH SINGH', 'singh@gmail.com', '18', 'singh@2002')
```