

# **IMPLEMENTING WEB APPLICATION**

## **Create IBM And Connect With Python**

Date	17 November 2022
Team ID	PNT2022TMID43829
Project Name	Smart Fashion Recommender Application
Maximum Marks	

### **Create IBM And Connect With Python :**

**Create the IBM Db2 service in the IBM cloud and connect the python code with DB.**

STEP 1 : Create IBM DB2 Account.

STEP 2 : Connect Python Code With DB2 With SSL Certificate.

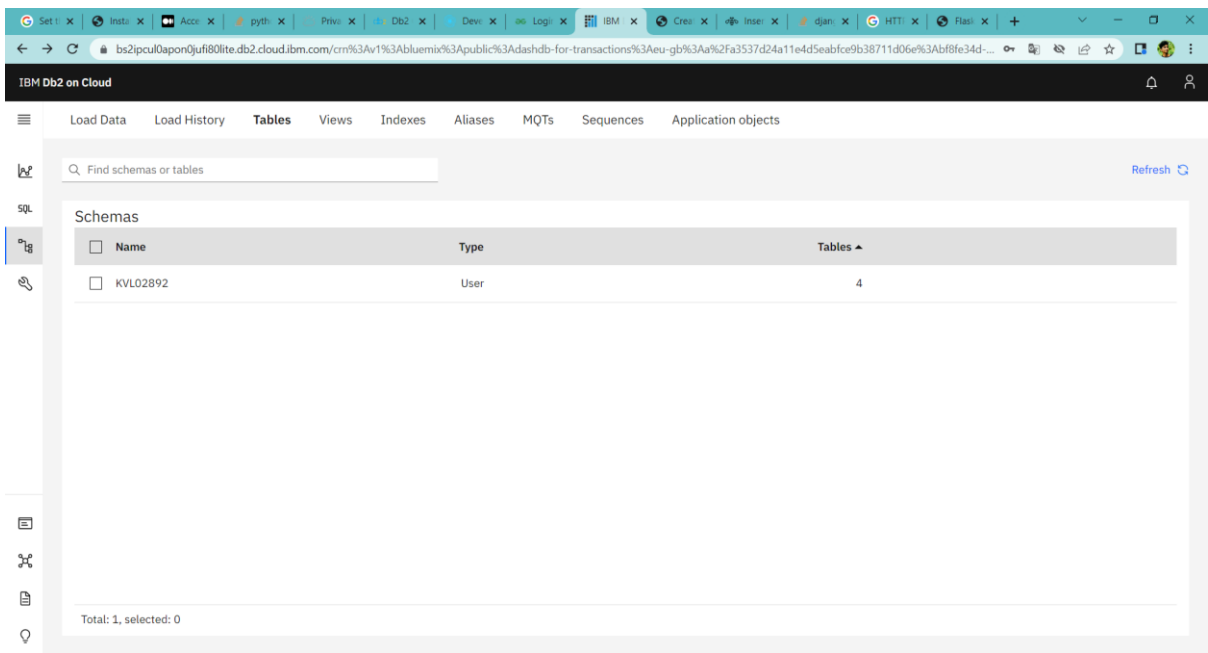
STEP 3 : Create SQL Table Users in DB2.

STEP 4 : Create Register Details in Flask App With Connect With DB2.

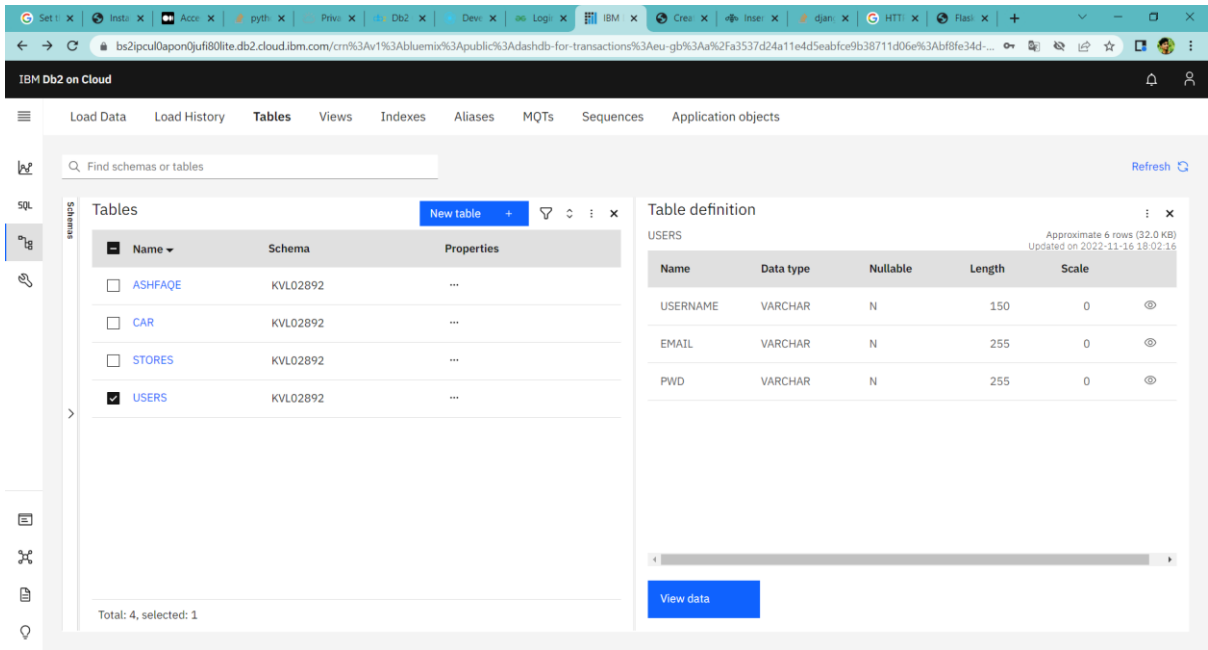
STEP 5 : Create Login Details.

STEP 6 : Directed to the Home Page.

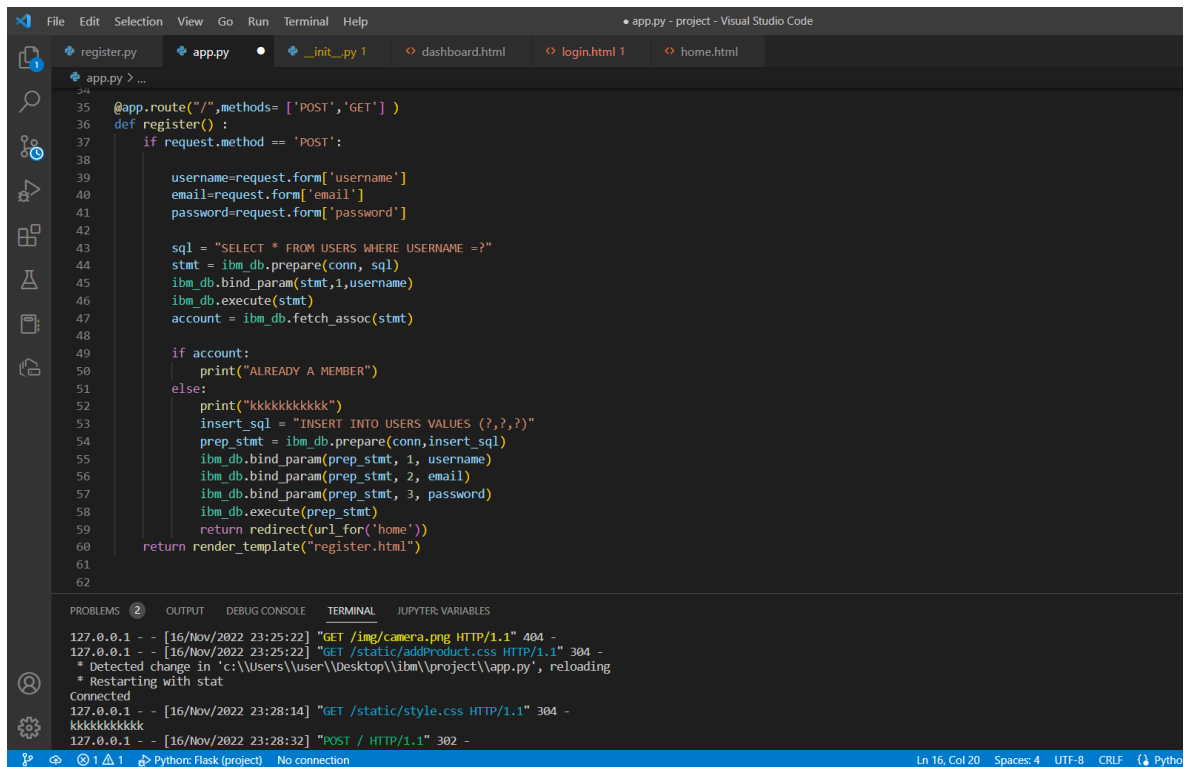
## DB2 IMAGE 1: TABLE CREATED IN IBM DB2



## DB2 IMAGE 2 : TABLE ATTRIBUTES



# PYTHON FILE :APP.PY



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File Edit Selection View Go Run Terminal Help
• app.py - project - Visual Studio Code

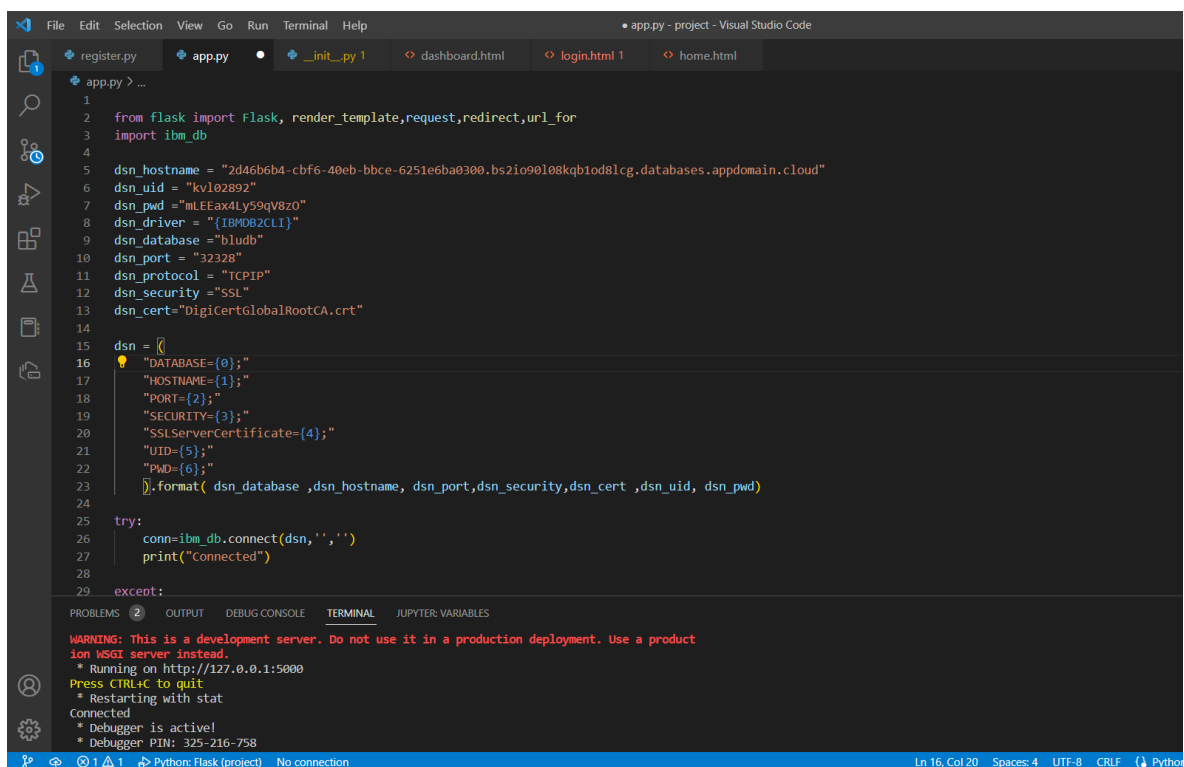
register.py app.py __init__.py dashboard.html login.html home.html

app.py > ...
34
35 @app.route("/", methods= ['POST', 'GET'])
36 def register():
37     if request.method == 'POST':
38
39         username=request.form['username']
40         email=request.form['email']
41         password=request.form['password']
42
43         sql = "SELECT * FROM USERS WHERE USERNAME =?"
44         stmt = ibm_db.prepare(conn, sql)
45         ibm_db.bind_param(stmt,1,username)
46         ibm_db.execute(stmt)
47         account = ibm_db.fetch_assoc(stmt)
48
49         if account:
50             print("ALREADY A MEMBER")
51         else:
52             print("kkkkkkkkkkkk")
53             insert_sql = "INSERT INTO USERS VALUES (?,?,?)"
54             prep_stmt = ibm_db.prepare(conn,insert_sql)
55             ibm_db.bind_param(prepare_stmt, 1, username)
56             ibm_db.bind_param(prepare_stmt, 2, email)
57             ibm_db.bind_param(prepare_stmt, 3, password)
58             ibm_db.execute(prepare_stmt)
59             return redirect(url_for('home'))
60     return render_template("register.html")
61
62

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL JUPYTER: VARIABLES

127.0.0.1 - - [16/Nov/2022 23:25:22] "GET /img/camera.png HTTP/1.1" 404 -
127.0.0.1 - - [16/Nov/2022 23:25:22] "GET /static/addProduct.css HTTP/1.1" 304 -
* Detected change in 'c:\Users\user\Desktop\ibm\project\app.py', reloading
* Restarting with stat
Connected
127.0.0.1 - - [16/Nov/2022 23:28:14] "GET /static/style.css HTTP/1.1" 304 -
kkkkkkkkkk
127.0.0.1 - - [16/Nov/2022 23:28:32] "POST / HTTP/1.1" 302 -

Ln 16, Col 20 Spaces: 4 UTF-8 CRLF Python
```



```
File Edit Selection View Go Run Terminal Help
• app.py - project - Visual Studio Code

register.py app.py __init__.py dashboard.html login.html home.html

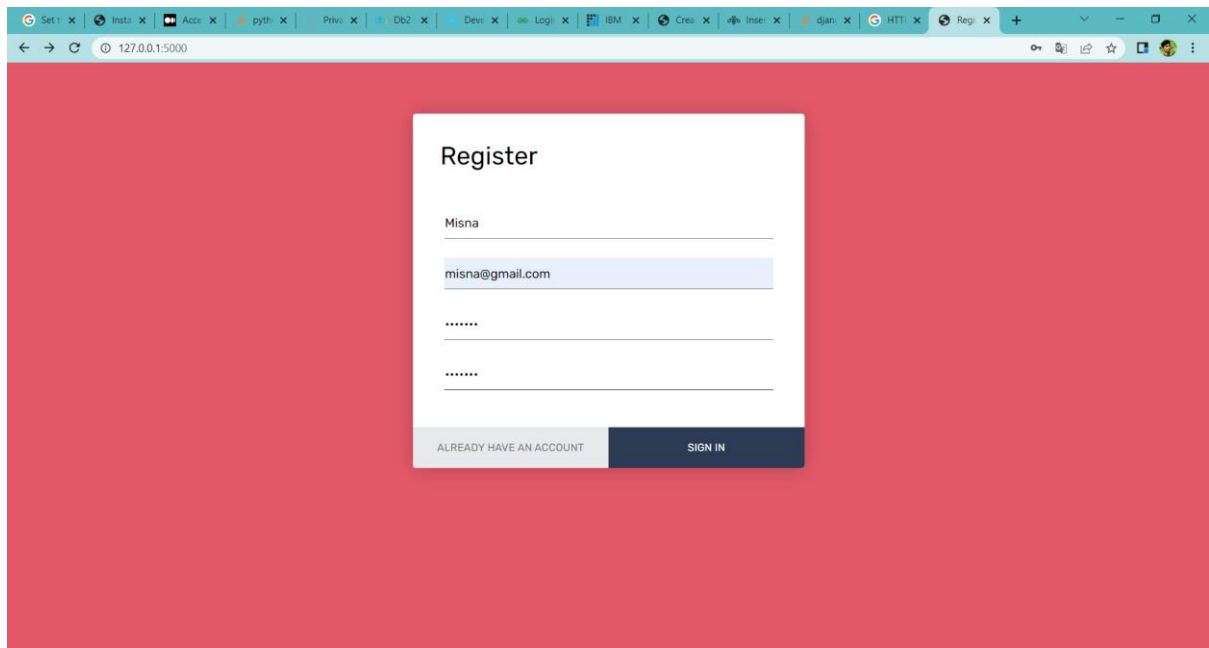
app.py > ...
1
2 from flask import Flask, render_template,request,redirect,url_for
3 import ibm_db
4
5 dsn_hostname = "2d46b6b4-cbf6-40eb-bbce-6251e6ba0300.bs2io90l08kbiod8lclg.databases.appdomain.cloud"
6 dsn_uid = "kvl02892"
7 dsn_pwd = "mLEeAx4Ly59qV8z0"
8 dsn_driver = "{IBMDB2CLI}"
9 dsn_database = "bludb"
10 dsn_port = "32328"
11 dsn_protocol = "TCP/IP"
12 dsn_security = "SSL"
13 dsn_cert="DigiCertGlobalRootCA.crt"
14
15 dsn = {
16     "DATABASE={0};"
17     "HOSTNAME={1};"
18     "PORT={2};"
19     "SECURITY={3};"
20     "SSLServerCertificate={4};"
21     "UID={5};"
22     "PWD={6};"
23     }.format(dsn_database ,dsn_hostname, dsn_port,dsn_security,dsn_cert ,dsn_uid, dsn_pwd)
24
25 try:
26     conn=ibm_db.connect(dsn, '', '')
27     print("Connected")
28
29 except:

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL JUPYTER: VARIABLES

WARNING: This is a development server. Do not use it in a production deployment. Use a product
ion WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
Connected
* Debugger is active!
* Debugger PIN: 325-216-758

Ln 16, Col 20 Spaces: 4 UTF-8 CRLF Python
```

## PAGE 1 : REGISTER.HTML



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:5000". The page has a solid red background. In the center, there is a white rectangular form titled "Register". The form contains the following elements: a text input field with the name "Misna", an email input field with the value "misna@gmail.com", two password input fields represented by dots, and a "SIGN IN" button at the bottom right. A link "ALREADY HAVE AN ACCOUNT" is located at the bottom left of the form.

Register

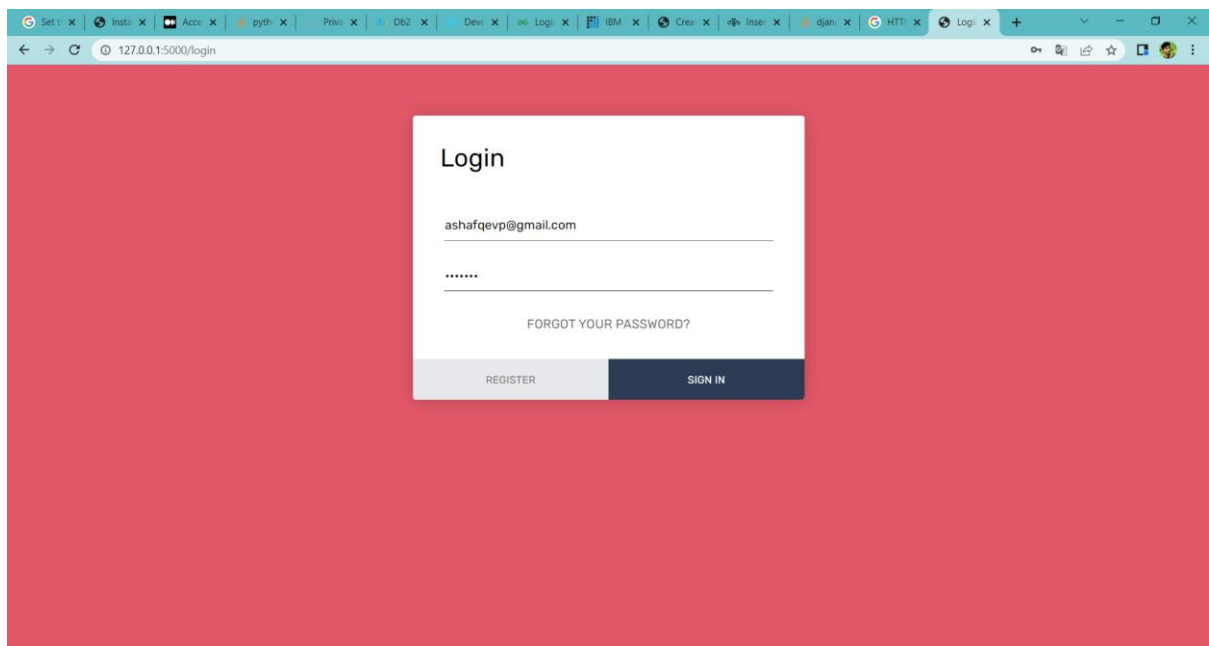
Misna

\*\*\*\*\*

\*\*\*\*\*

[ALREADY HAVE AN ACCOUNT](#)

## PAGE 2 : LOGIN.HTML



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:5000/login". The page has a solid red background. In the center, there is a white rectangular form titled "Login". The form contains the following elements: an email input field with the value "ashafgevp@gmail.com", a password input field represented by dots, a "FORGOT YOUR PASSWORD?" link, and a "SIGN IN" button at the bottom right. A link "REGISTER" is located at the bottom left of the form.

Login

\*\*\*\*\*

[FORGOT YOUR PASSWORD?](#)

[REGISTER](#)

# DB2 IMAGE 3 : DATABASE TABLE

Set 1 x Insta x Acc x pyth x Priv x Db2 x Dev x Log x IBM x Cre x Inse x djan x HTT x Log x

bs2ipculDapon0jufi80lite.db2.cloud.ibm.com/cm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aeu-gb%3Aa%2Fa3537d24a11e4d5eabfce9b38711d06e%3Abf8fe34d...

IBM Db2 on Cloud

Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects

KVL02892.USERS

Back

Export to CSV

USERNAME	EMAIL	PWD
Ashfaqe	ashfaqe@gmail.com	mnbvcxz
Ashiq	ashfaqevp@gmail.com	asdf
Misna	misna@gmail.com	ashfaqe
Nasif	ashfaqe@gmail.com	mnbvcxz
Shabeer	ashfaqe@gmail.com	mnbvcxz
Shamil	ashfaqevp@gmail.com	fghjk
Shibily	ashfaqevp@gmail.com	asdfg

# PAGE 3 : HOME.HTML

Set 1 x Insta x Acc x pyth x Priv x Db2 x Dev x Log x IBM x Cre x Inse x djan x HTT x Flas x

127.0.0.1:5000/home


HRX

HomeProductsPagesContactAccount


OUR PRODUCTS

Home >> Products


Featured Products




Nike Hoodie  
RS : 540/-




Nike Hoodie  
RS : 540/-




Nike Hoodie  
RS : 540/-




Nike Hoodie  
RS : 540/-




Nike Hoodie  
RS : 540/-




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