

## IMPLEMENTING WEB APPLICATION

### CREATE IBM DB2 AND CONNECT WITH PYTHON

Date	24 September 2022
Team ID	PNT2022TMID29760
Project Name	Smart Fashion Recommender Application
Maximum Marks	2 Marks

#### CREATE IBM DB2 AND CONNECT WITH PYTHON:

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

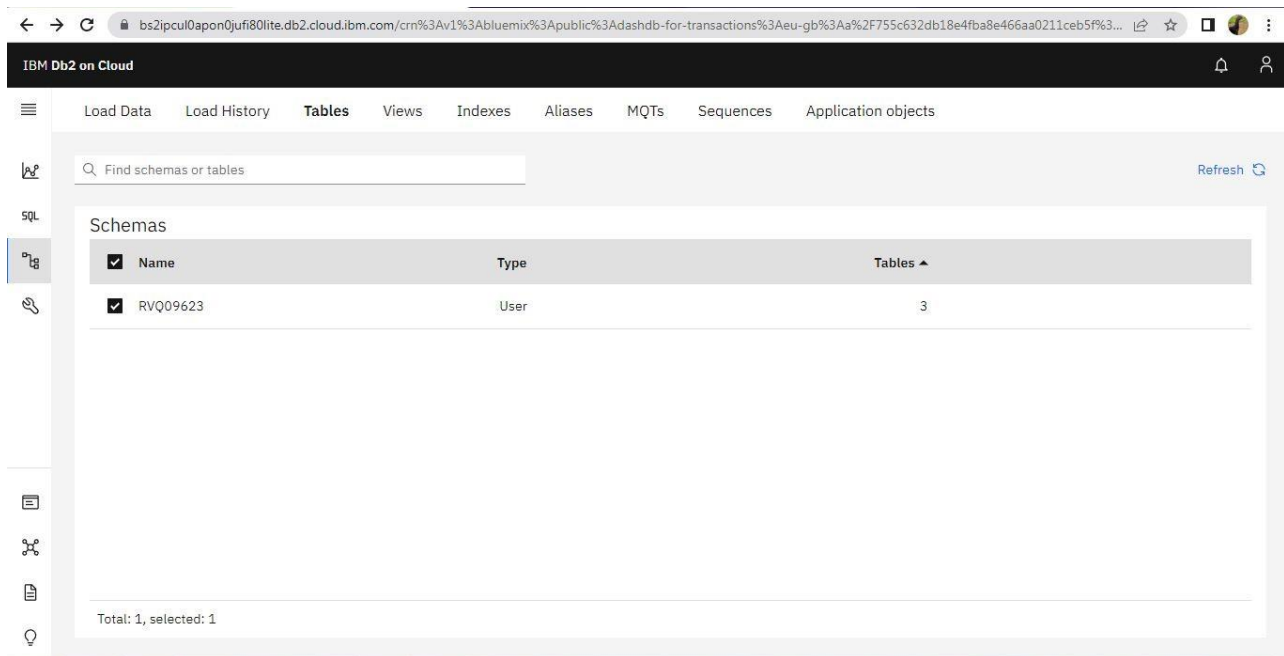
STEP 1: Create IBM DB2

STEP 2: Connect Python Code with DB2

STEP 3: Database Table of Register / Login Details

STEP 4: Directed to the Home Page

## DB PIC 1: TABLE CREATED IN IBM-DB2



IBM Db2 on Cloud

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

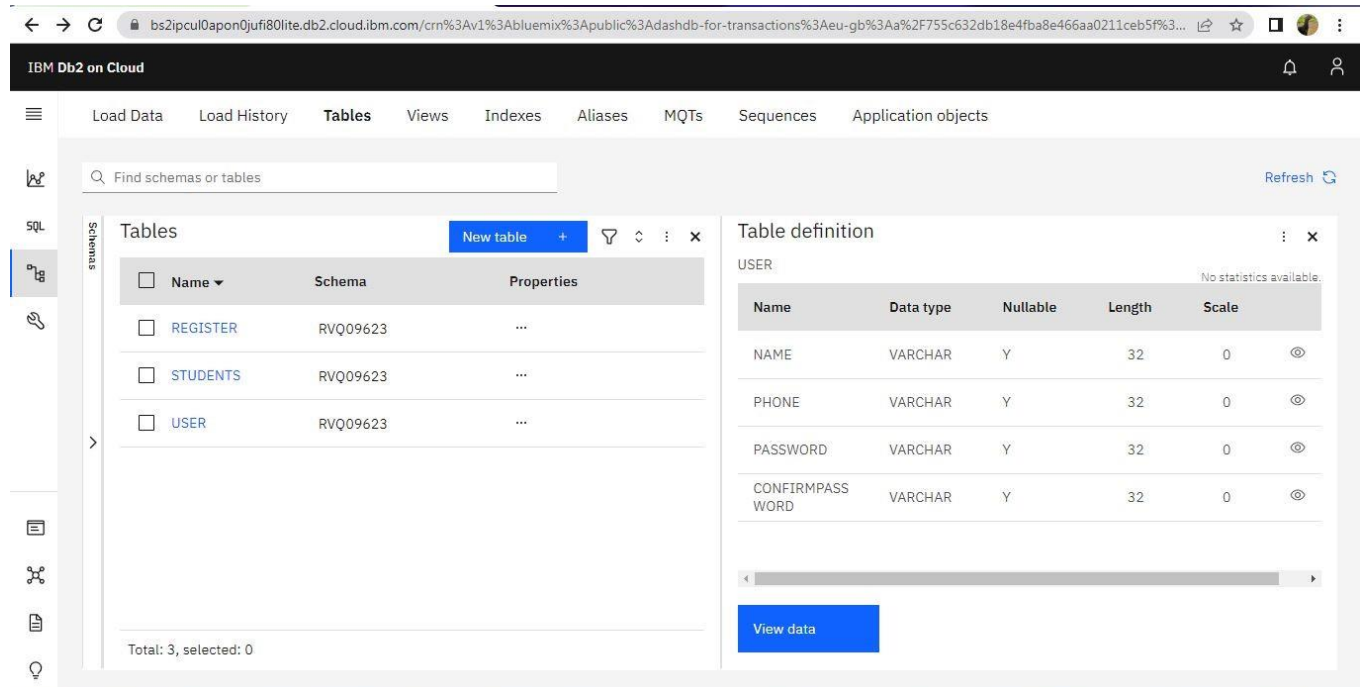
Find schemas or tables Refresh

Schemas

Name	Type	Tables
RVQ09623	User	3

Total: 1, selected: 1

## DB PIC 2: TABLE ATTRIBUTES



IBM Db2 on Cloud

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

Find schemas or tables Refresh

Tables

Name	Schema	Properties
REGISTER	RVQ09623	...
STUDENTS	RVQ09623	...
USER	RVQ09623	...

Total: 3, selected: 0

Table definition

USER

Name	Data type	Nullable	Length	Scale
NAME	VARCHAR	Y	32	0
PHONE	VARCHAR	Y	32	0
PASSWORD	VARCHAR	Y	32	0
CONFIRMPASS WORD	VARCHAR	Y	32	0

View data

## PYTHON FILE: APP.PY

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

D:\> IBM > archa > flask > app.py > address
1 from turtle import st
2 from flask import Flask, render_template, request, redirect, url_for, session
3 from markupsafe import escape
4
5 import ibm_db
6 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=0c77d6f2-5da9-48a9-81f8-86b520b87518.bs2io90108kqb1od81cg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertif
7
8 app = Flask(__name__)
9
10
11
12 @app.route('/')
13 def home():
14     return render_template('register.html')
15
16 @app.route('/signup')
17 def new_student():
18     return render_template('add_student.html')
19
20 @app.route('/address', methods = ['POST', 'GET'])
21 def address():
22     if request.method == 'POST':
23
24         name = request.form['name']
25         mail = request.form["number"]
26         city = request.form["psw"]
27         pin = request.form["psw-repeat"]
28
29         sql = "SELECT * FROM user WHERE name =?"
30         stmt = ibm_db.prepare(conn, sql)
31         ibm_db.bind_param(stmt,1,name)
32         ibm_db.execute(stmt)
33         account = ibm_db.fetch_assoc(stmt)
34
35         if account:
36             return render_template('list.html', msg="You are already a member, please login using your details")
37         else:
```

## PAGE 1: Registration

← → C File | C:/Users/HARIHARAN%20CS/OneDrive/Desktop/html/REG.html?username=archana\_selladurai\_8&username=9080155854&pass=archana&username=archana&remember-me=on

### REGSITER

Username

Phone Number

Password

Confirm Password

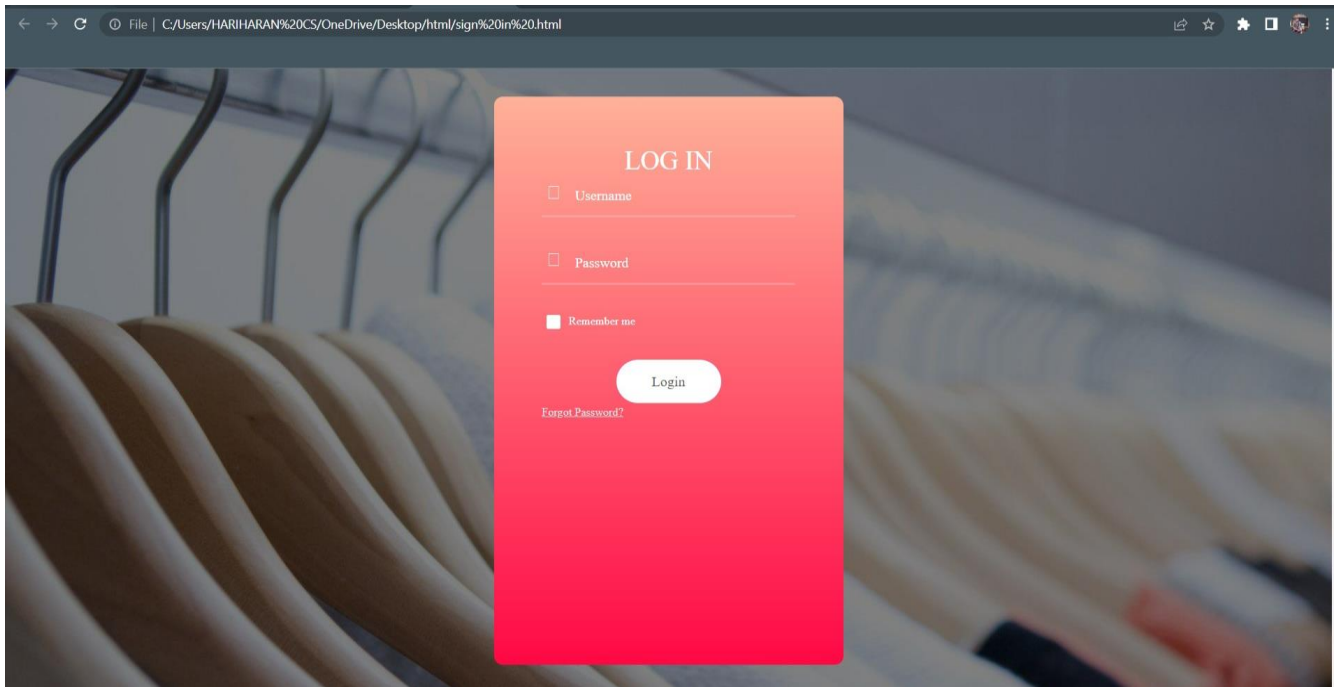
☐

Remember me

Regsiter

Forgot Password?

## PAGE 2: Login



LOG IN

Username

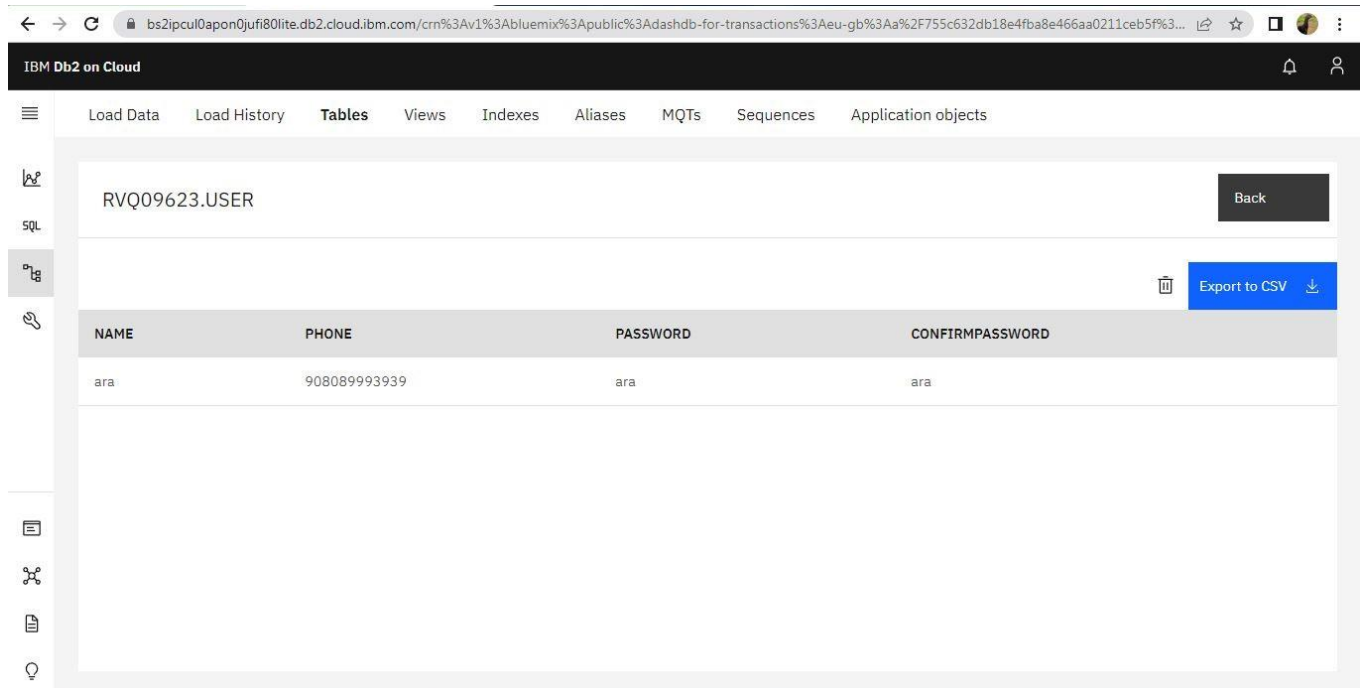
Password

☐ Remember me

Login

[Forgot Password?](#)

## TABLE: DATABASE TABLE



IBM Db2 on Cloud

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

RVQ09623.USER

Back

Export to CSV

NAME	PHONE	PASSWORD	CONFIRMPASSWORD
ara	908089993939	ara	ara

## DASHBOARD: Directed to CLASSY MESSY

