

## ASSIGNMET – 3

<b>NAME</b>	<b>DINESHBABU K</b>
<b>TEAM ID</b>	<b>PNT2022TMID19415</b>
<b>PROJECT NAME</b>	<b>SKILL / JOB RECOMMENDER APPLICATION</b>

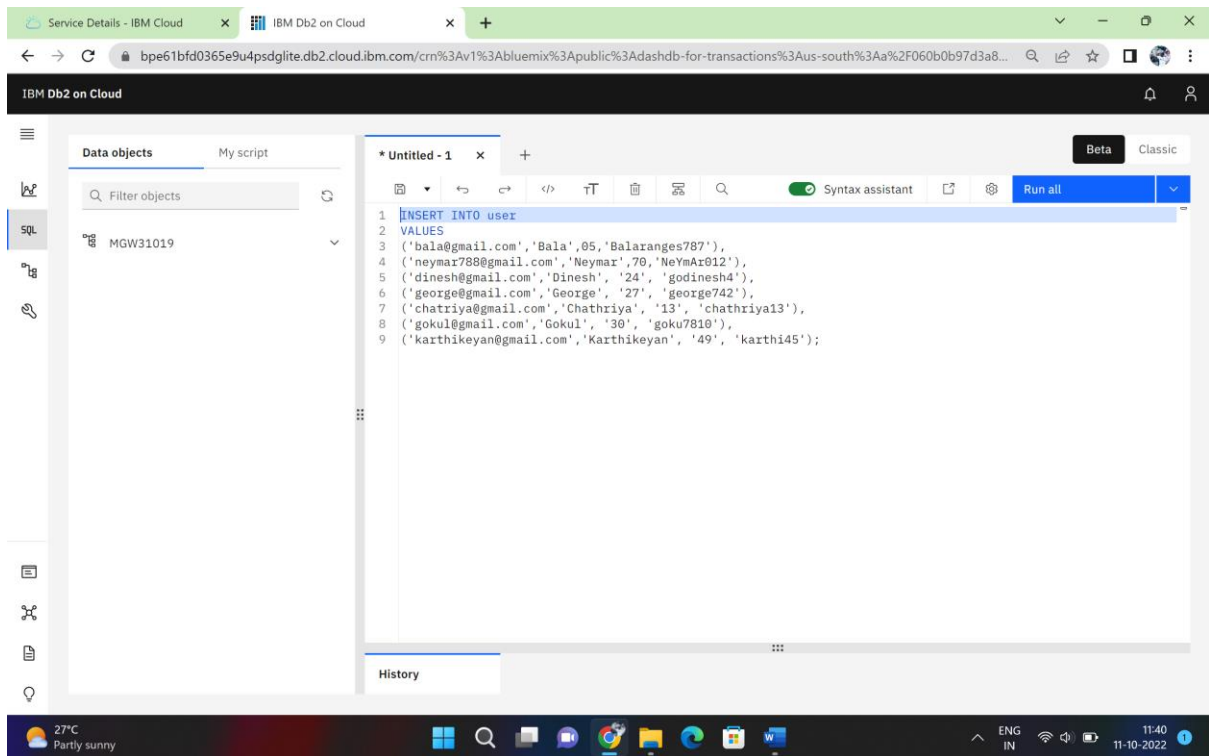
### 1. CREATE USER TABLE WITH EMAIL, USERNAME,ROLL NUMBER ,PASSWORD.

### Query to INSERT :

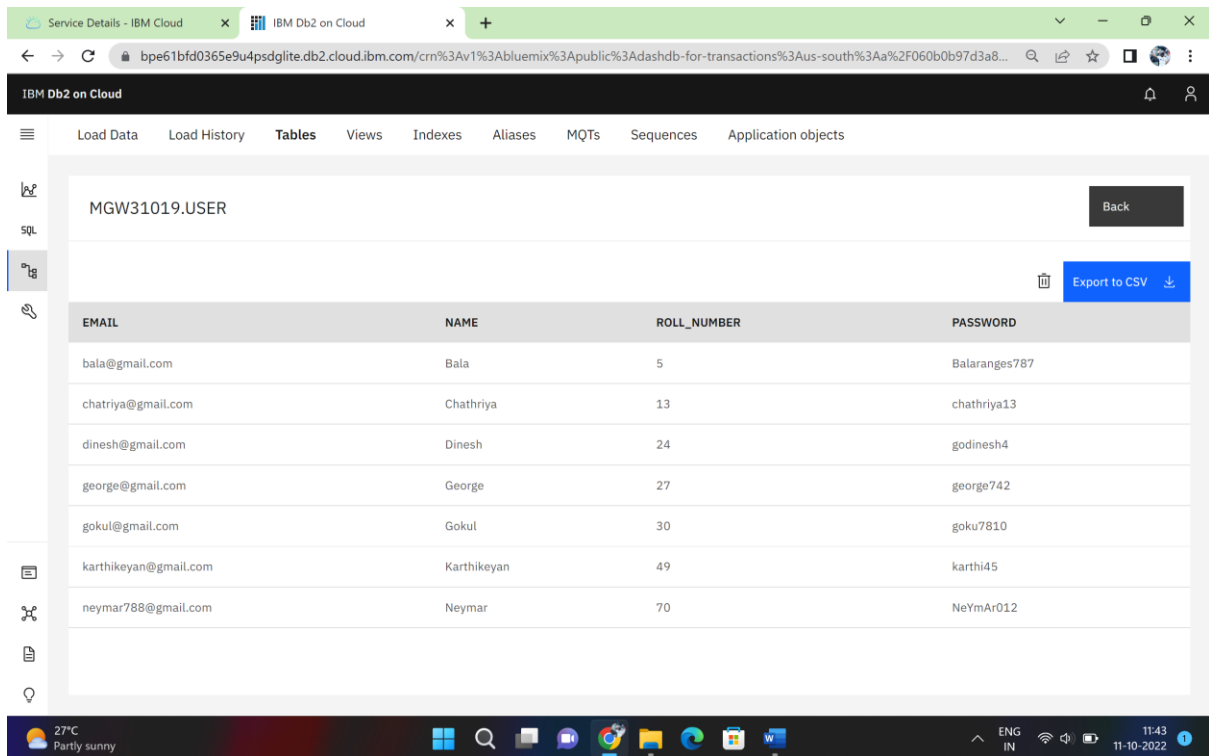
INSERT INTO user

VALUES

```
('bala@gmail.com','Bala',05,'Balaranges787'),
('neymar788@gmail.com','Neymar',70,'NeYmAr012'),
('dinesh@gmail.com','Dinesh', '24', 'godinesh4'),
('george@gmail.com','George', '27', 'george742'),
('chatriya@gmail.com','Chathriya', '13', 'chathriya13'),
('gokul@gmail.com','Gokul', '30', 'goku7810'),
('karthikeyan@gmail.com','Karthikeyan', '49', 'karthi45');
```



After inserting the details or values into the Table:



## 2. Perform UPDATE and DELETE queries with user table.

### Query to Deleting :

DELETE FROM USER WHERE NAME='Neymar';

The screenshot displays the IBM Db2 on Cloud web interface. On the left, the 'Data objects' panel shows a search bar and a list of objects, including 'MGW31019'. The main editor area, titled '\*Untitled - 2', contains the SQL query: `DELETE FROM USER WHERE NAME='Neymar';`. The 'Run all' button is visible in the top right of the editor. Below the editor, the 'History' panel shows a table of executed queries.

Script	Date	Status	Runtime
Untitled - 2	Oct 11, 2022 11:46:51 AM	✓ 1	0.022 s
DELETE FROM USER WHERE NAME='Neymar'		✓	0.022 s

The bottom of the image shows a Windows taskbar with the system clock indicating 11:46 on 11-10-2022.

IBM Db2 on Cloud

MGW31019.USER

Back

Export to CSV

EMAIL	NAME	ROLL_NUMBER	PASSWORD
bala@gmail.com	Bala	5	Balaranges787
chatriya@gmail.com	Chatriya	13	chathriya13
dinesh@gmail.com	Dinesh	24	godinesh4
george@gmail.com	George	27	george742
gokul@gmail.com	Gokul	30	goku7810
karthikeyan@gmail.com	Karthikeyan	49	karthi45

## Query to update :

UPDATE user

SET NAME = 'Dineshbabu'

WHERE email = 'dinesh@gmail.com';

IBM Db2 on Cloud

SQL

MGW31019

1 UPDATE user  
2 SET NAME = 'Dineshbabu'  
3 WHERE email = 'dinesh@gmail.com';

Run all

History

Script	Date	Status	Runtime
Untitled - 3	Oct 11, 2022 11:50:33 AM	1	0.007 s
UPDATE user SET NAME = 'Dineshbabu' WHERE email = 'dinesh@gmail.com'		1	0.007 s
Untitled - 2	Oct 11, 2022 11:46:51 AM	1	0.022 s

Service Details - IBM Cloud x IBM Db2 on Cloud x +

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F060b0b97d3a8...

IBM Db2 on Cloud

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

MGW31019.USER Back

Export to CSV

EMAIL	NAME	ROLL_NUMBER	PASSWORD
bala@gmail.com	Bala	5	Balaranges787
chatriya@gmail.com	Chatriya	13	chatriya13
dinesh@gmail.com	<u>Dineshbabu</u>	24	godinesh4
george@gmail.com	George	27	george742
gokul@gmail.com	Gokul	30	goku7810
karthikeyan@gmail.com	Karthikeyan	49	karthi45

28°C Cloudy ENG IN 11:51 11-10-2022

### 3. Connect python to db2.

```
Command Prompt
Microsoft Windows [Version 10.0.19044.2006]
(c) Microsoft Corporation. All rights reserved.

C:\Users\vrroh>cd PycharmProjects
C:\Users\vrroh\PycharmProjects>cd too
The system cannot find the path specified.
C:\Users\vrroh\PycharmProjects>cd tooo
C:\Users\vrroh\PycharmProjects\tooo>python DineshbabuIBM.py
DATABASE = bludb;HOSTNAME = 19af6446-6171-4641-8aba-9dcff8e1b6ff.clogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT = 30699;UID = mgw31019;SECURITY = SSL;SSLServerCertificate = DBCertificate.crt;PWD = 7yZwf9eVjAKLLYRr;
connect to database
C:\Users\vrroh\PycharmProjects\tooo>
```

**Code :**

```
import ibm_db
```

```
hostname = '19af6446-6171-4641-8aba-9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.  
cloud:30699'
```

```
uid = 'mgw31019'
```

```
pwd = '5YyXwC8wPd4ts4Fg'
```

```
driver = "{IBM DB2 ODBC DRIVER}"
```

```
db = 'bludb'
```

```
port = '30699'
```

```
protocol = 'TCPIP'
```

```
cert = 'DigiCertGlobalRootCA.crt'
```

```
dsn = (
```

```
    "DATABASE = {0};"
```

```
    "HOSTNAME = {1};"
```

```
    "PORT = {2};"
```

```
    "UID = {3};"
```

```
    "SECURITY = SSL;"
```

```
    "SSLServerCertificate = {4};"
```

```
    "PWD = {5};"
```

```
).format(db, hostname, port, uid, cert, pwd)
```

```
print(dsn)
```

```
try:
```

```
    db2 = ibm_db.connect(dsn, " ", " ")
```

```
    print("connect to database")
```

```
except:
```

```
    print("unable to connect ", ibm_db.conn_errormsg())
```

## 4. about.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width,initial-scale=1">
<title>Home Page</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-beta2/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
<nav class="navbar navbar-expand-lg bg-light" style="background-color:
#e3f2fd;">
<!-- Navbar content -->
<div class="container-fluid">
<div class="collapse navbar-collapse" id="navbarNavAltMarkup">
<div class="navbar-nav">
<a class="nav-link active" aria-current="page"
href="#">Home</a>
<a class="nav-link" href="about.html">About</a>
<a class="nav-link" href="signin.html">SignIn</a>
<a class="nav-link" href="signup.html">SignUp</a>
</div>
</div>
</div>
</nav>
<br>
<div>
<h4>
<b>Welcome to IBM!!!</B>
</h4>
</div>
</body>
</html>
```

## Home.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width,initial-scale=1">
<title>Home Page</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta2/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
<nav class="navbar navbar-expand-lg bg-light" style="background-color:
#e3f2fd;">
<!-- Navbar content -->
<div class="container-fluid">
<div class="collapse navbar-collapse" id="navbarNavAltMarkup">
<div class="navbar-nav">
<a class="nav-link active" aria-current="page"
href="#">Home</a>
<a class="nav-link" href="about.html">About</a>
<a class="nav-link" href="signin.html">SignIn</a>
<a class="nav-link" href="signup.html">SignUp</a>
</div>
</div>
</div>
</nav>
<br><br>
<div>
<h4>
<b>Welcome to IBM!!!</B>
</h4>
</div>
</body>
</html>
```



## Sign.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width,initial-scale=1">
<title>SignIn</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta2/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
<nav class="navbar navbar-expand-lg bg-light" style="background-color:
#e3f2fd;">
<!-- Navbar content -->
<div class="container-fluid">
<div class="collapse navbar-collapse" id="navbarNavAltMarkup">
<div class="navbar-nav">
<a class="nav-link " href="home.html">Home</a>
<a class="nav-link" href="about.html">About</a>
<a class="nav-link active" aria-current="page"
href="#">SignIn</a>
<a class="nav-link" href="signup.html">SignUp</a>
</div>
</div>
</div>
</nav>
<div class="text-center my-5"
style="background-image:
url('https://png.pngtree.com/thumb_back/fh260/background/20200714/pngtreemodern-double-color-futuristic-
neon-background-image_351866.jpg');
background-repeat: no-repeat;
background-size: cover;">
<section class="h-100">
<div class="container h-100">
<div class="row justify-content-sm-center h-100">
```

```
<div class="col-xxl-4 col-xl-5 col-lg-5 col-md-7 col-sm9">
```

```
<div class="text-center my-5"></div>
```

```
<div class="card shadow-lg">
```

```
<div class="card-body p-5">
```

```
  <h1 class="fs-4 card-title fw-bold mb4">Login</h1>
```

```
  <form method="POST" class="needs-validation"
```

```
    novalidate="" autocomplete="off">
```

```
    <div class="mb-3">
```

```
      <label class="mb-2 text-muted"
```

```
        for="email">E-Mail Address</label>
```

```
      <input id="email" type="email"
```

```
        class="form-control" name="email" value=""
```

```
        required autofocus>
```

```
      <div class="invalid-feedback">
```

```
        Email is invalid
```

```
      </div>
```

```
    </div>
```

```
    <div class="mb-3">
```

```
      <div class="mb-2 w-100">
```

```
        <label class="text-muted"
```

```
          for="password">Password</label>
```

```
        <a href="forgot.html"
```

```
          class="float-end">
```

```
          Forgot Password?
```

```
        </a>
```

```
      </div>
```

```
      <input id="password" type="password"
```

```
        class="form-control" name="password"
```

```
        required>
```

```
      <div class="invalid-feedback">
```

```
        Password is required
```

```
      </div>
```

```
    </div>
```

```
  <div class="d-flex align-items-center">
```

```
    <div class="form-check">
```

```
      <input type="checkbox"
```

```
name="remember" id="remember"
class="form-check-input">
<label for="remember" class="formcheck-label">Remember Me</label>
</div>
<button type="submit" class="btn btnprimary ms-auto">
Login
</button>
</div>
</form>
</div>
<div class="card-footer py-3 border-0">
```

## Signup.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width,initial-scale=1">
<title>SignUp</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta2/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
<nav class="navbar navbar-expand-lg bg-light" style="background-color:
#e3f2fd;">
<!-- Navbar content -->
<div class="container-fluid">
<div class="collapse navbar-collapse" id="navbarNavAltMarkup">
<div class="navbar-nav">
<a class="nav-link" href="home.html">Home</a>
<a class="nav-link" href="about.html">About</a>
<a class="nav-link" href="signin.html">SignIn</a>
<a class="nav-link active" aria-current="page"
href="#">SignUp</a>
</div>
</div>
</div>
</div>
<div class="text-center my-5"
style="background-image:
url('https://png.pngtree.com/thumb_back/fh260/background/20200714/pngtreemodern-double-color-futuristic-
neon-background-image_351866.jpg');
background-repeat: no-repeat;
background-size: cover;">
<section class="h-100">
<div class="container h-100">
```

```
<div class="row justify-content-sm-center h-100">
<div class="col-xxl-4 col-xl-5 col-lg-5 col-md-7 col-sm9">
<div class="text-center my-5"></div>
<div class="card shadow-lg">
<div class="card-body p-5">
<h1 class="fs-4 card-title fw-bold mb4">Register</h1>
<form method="POST" class="needs-validation"
novalidate="" autocomplete="off">
<div class="mb-3">
  <label class="mb-2 text-muted"
for="name">Name</label>
  <input id="name" type="text"
class="form-control" name="name" value="" required
autofocus>
  <div class="invalid-feedback">
    Name is required
  </div>
</div>
<div class="mb-3">
  <label class="mb-2 text-muted"
for="email">E-Mail Address</label>
  <input id="email" type="email"
class="form-control" name="email" value=""
required>
  <div class="invalid-feedback">
    Email is invalid
  </div>
</div>
<div class="mb-3">
  <label class="mb-2 text-muted"
for="password">Password</label>
  <input id="password" type="password"
class="form-control" name="password"
required>
  <div class="invalid-feedback">
    Password is required
```

</div>

</div>

<p class="form-text text-muted mb-3">

By registering you agree with our  
terms and condition.

</p>

<div class="align-items-center d-flex">

<button type="submit" class="btn btnprimary ms-auto">

Register

</button>

</div>

</form>

</div>

<div class="card-footer py-3 border-0">

<div class="text-center">

Already have an account? <a href="signin.html" class="text-dark">Login</a>

</div>

</div>

</div>

</div>

</div>

</div>

</section>

</div>

</body>

</html>

## **app.py**

```
from flask import Flask, render_template

app = Flask(__name__)

@app.route("/")
@app.route("/home")
def home():
    return render_template("home.html")

@app.route("/about")
def about():
    return render_template("about.html")

@app.route("/signin")
def signin():
    return render_template("signin.html")

@app.route("/signup")
def signup():
    return render_template("signup.html")
```