

ASSIGNMENT - 3

TEAM ID : PNT2022TMID19425

PROJECT NAME : SMART FASHION RECOMMENDER APPLICATION

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

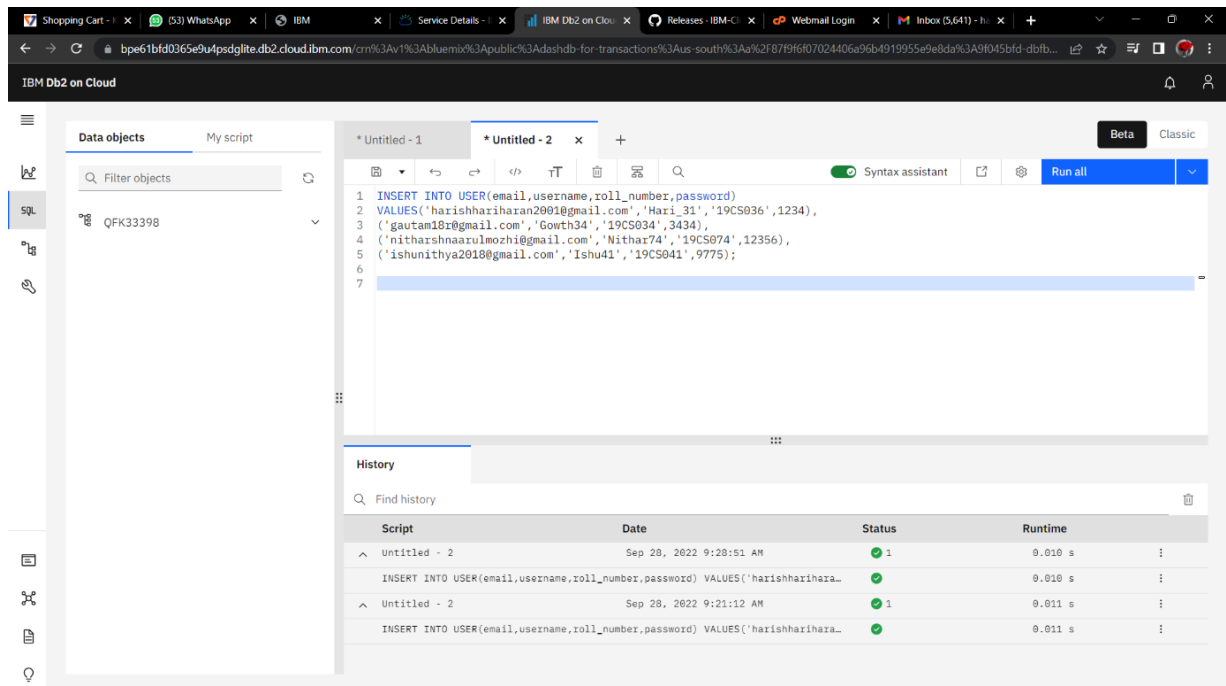
The screenshot displays the IBM Db2 on Cloud web interface. On the left, a sidebar shows the 'Tables' section with a list of tables: 'ASSIGNMENT2', 'TEST', and 'USER'. The 'USER' table is selected. The main area shows the 'Table definition' for the 'USER' table, which is highlighted with a red box. The table definition includes the following columns:

Name	Data type	Nullable	Length	Scale
EMAIL	VARCHAR	Y	32	0
USERNAME	VARCHAR	Y	32	0
ROLL_NUMBER	VARCHAR	Y	32	0
PASSWORD	INTEGER	Y		0

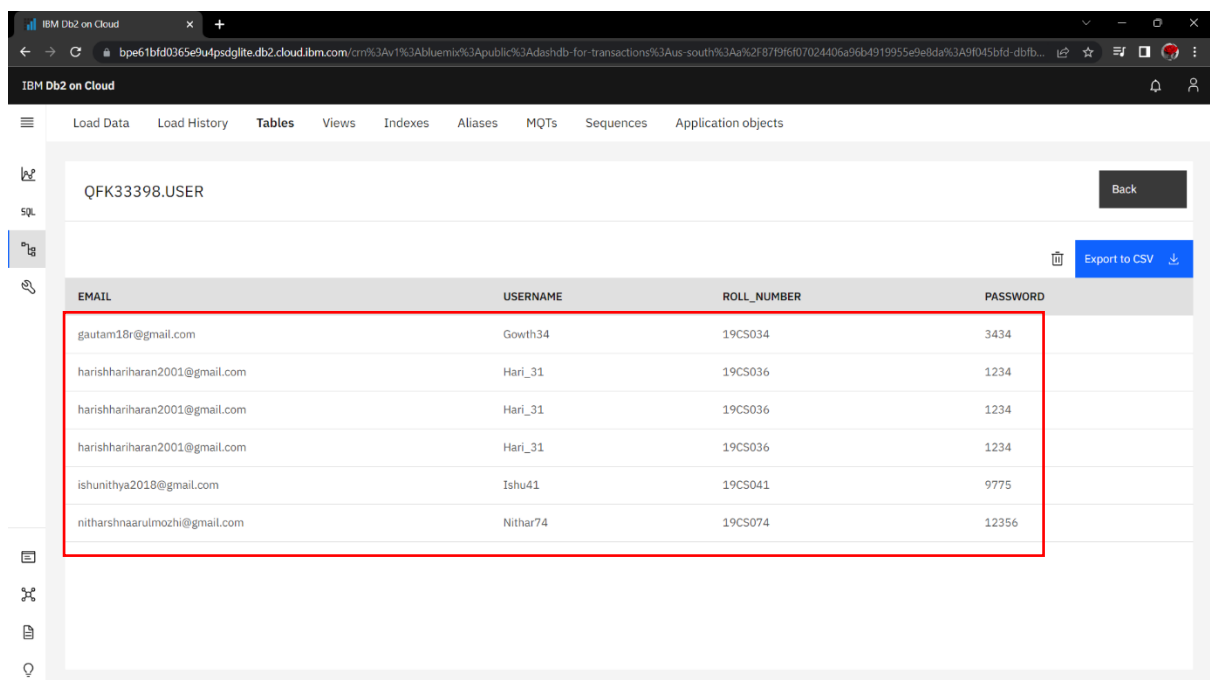
Below the table definition, there is a 'View data' button. The interface also shows a search bar at the top and a 'Refresh' button on the right.

INSERT QUERY :

```
INSERT INTO USER(email,username,roll_number,password)
VALUES('harishhariharan2001@gmail.com','Hari_31','19CS036',1234),
('gautam18r@gmail.com','Gowth34','19CS034',3434),
('nitharshnaarulmozhi@gmail.com','Nithar74','19CS074',12356),
('ishunithya2018@gmail.com','Ishu41','19CS041',9775);
```



AFTER INSERTING THE VALUES INTO THE TABLE:



2.PERFORM UPDATE AND DELETE QUERIES WITH USER TABLE :

DELETING QUERY :

DELETE FROM USER WHERE username='Hari_31';

The screenshot shows the IBM Db2 on Cloud SQL editor interface. The left sidebar displays the 'Data objects' tab with a search filter 'QFK33398'. The main editor area shows a script titled 'Untitled - 1' with the following SQL query:

```
1 DELETE FROM USER WHERE username='Hari_31';
```

The 'History' tab at the bottom shows the execution history of the script. The table below represents the data in the history:

Script	Date	Status	Runtime
Untitled - 1	Sep 28, 2022 9:32:05 AM	✓ 1	0.015 s
DELETE FROM USER WHERE username='Hari_31'		✓	0.015 s
Untitled - 2	Sep 28, 2022 9:28:51 AM	✓ 1	0.010 s
INSERT INTO USER(email,username,roll_number,password) VALUES('harishharihar_		✓	0.010 s
Untitled - 2	Sep 28, 2022 9:21:12 AM	✓ 1	0.011 s

The screenshot shows the IBM Db2 on Cloud SQL editor interface displaying the contents of the 'QFK33398.USER' table. The table has four columns: EMAIL, USERNAME, ROLL_NUMBER, and PASSWORD. The data is as follows:

EMAIL	USERNAME	ROLL_NUMBER	PASSWORD
gautam18@gmail.com	Gowth34	19CS034	3434
ishunithya2018@gmail.com	Ishu41	19CS041	9775
nitharshnaarumozhi@gmail.com	Nithar74	19CS074	12356

UPDATING QUERY :

INSERT INTO USER(email,username,roll_number,password)

VALUES('harishhariharan2001@gmail.com','Hari_31','19CS036',1234);

UPDATE user SET email='ishunithya2018@gmail.com',password='4141' WHERE
roll_number='19CS041';

The screenshot shows the IBM Db2 on Cloud console interface. The top navigation bar includes tabs for Shopping Cart, WhatsApp, IBM, Service Details, IBM Db2 on Cloud, Releases, Webmail Login, and Inbox. The main content area displays a SQL script in a text editor with a syntax assistant and a 'Run all' button. The script contains three SQL statements: an INSERT statement, a VALUES statement, and an UPDATE statement. Below the script, the 'History' tab is active, showing a table of execution history.

Script	Date	Status	Runtime
Untitled - 1	Sep 28, 2022 9:42:33 AM	1	0.007 s
UPDATE user SET email='ishunithya2018@gmail.com',password='4141' WHERE roll_number='19CS041'			0.007 s
Untitled - 1	Sep 28, 2022 9:36:43 AM	1 1	0.012 s
INSERT INTO USER(email,username,roll_number,password) VALUES('harishhariharan2001@gmail.com','H_			0.007 s
UPDATE USER SET username='Ishu41' WHERE password='4141'			0.005 s

QFK33398.USER

EMAIL	USERNAME	ROLL_NUMBER	PASSWORD
gautam18@gmail.com	Gowth34	19CS034	3434
harishharan2001@gmail.com	Hari_31	19CS036	1234
ishunithya2018@gmail.com	Ishu41	19CS041	4141
nitharshnaarulmozhi@gmail.com	Nithar74	19CS074	12356

3.CONNECT PYTHON TO db2:

```

In [1]: import ibm_db

hostname = '9938aec0-8105-433e-8bf9-0fb7e483086.c1ogj3sd0tgu0lqde00.databases.appdomain.cloud'
uid = 'qfk33398'
pwd = 'jnffMalImeTzcout'
driver = "{IBM DB2 ODBC DRIVER}"
db = 'bludb'
port = '32459'
protocol = 'TCP/IP'
cert = 'CRT1.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())

DATABASE = bludb;HOSTNAME = 9938aec0-8105-433e-8bf9-0fb7e483086.c1ogj3sd0tgu0lqde00.databases.appdomain.cloud;PORT = 32459;UI
D = qfk33398;SECURITY = SSL;SSLServerCertificate = CRT1.crt;PWD = jnffMalImeTzcout;
connect to database
  
```

CODE :

```
import ibm_db
hostname = '9938aec0-8105-433e-8bf9-
0fbb7e483086.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud'
uid = 'qfk33398'
pwd = 'jnfFMaLIMeTZcout'
driver = "{IBM DB2 ODBC DRIVER}"
db = 'bludb'
port = '32459'
protocol = 'TCPIP'
cert = 'CRT1.crt'

dsn = (
    "DATABASE = {0};"
    "HOSTNAME = {1};"
    "PORT = {2};"
    "UID = {3};"
    "SECURITY = SSL;"
    "SSIServerCertificate = {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>About 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:
#b5dbf7;">
    <!-- 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 active" aria-current="page"
href="#">About</a>
          <a class="nav-link" href="signin.html">Sign In</a>
          <a class="nav-link" href="signup.html">Sign up</a>
        </div>
      </div>
    </div>

  </nav>
  <br><br>
  <footer>
    International Business Machines Corporation is an American
    multinational technology corporation headquartered in Armonk, New York, with
    operations in over 171 countries.
  </footer>

</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>
```


Signin.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/pngtree-
modern-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-sm-
9">

            <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 mb-
4">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="form-
check-label">Remember Me</label>
        </div>
        <button type="submit" class="btn btn-
primary 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>
  </nav>
  <div class="text-center my-5"
style="background-image:
url('https://png.pngtree.com/thumb_back/fh260/background/20200714/pngtree-
modern-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-sm-
9">

            <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 mb-
4">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 btn-
primary ms-auto">
                Register
            </button>
        </div>
    </form>
</div>
<div class="card-footer py-3 border-0">
    <div class="text-center">

```

