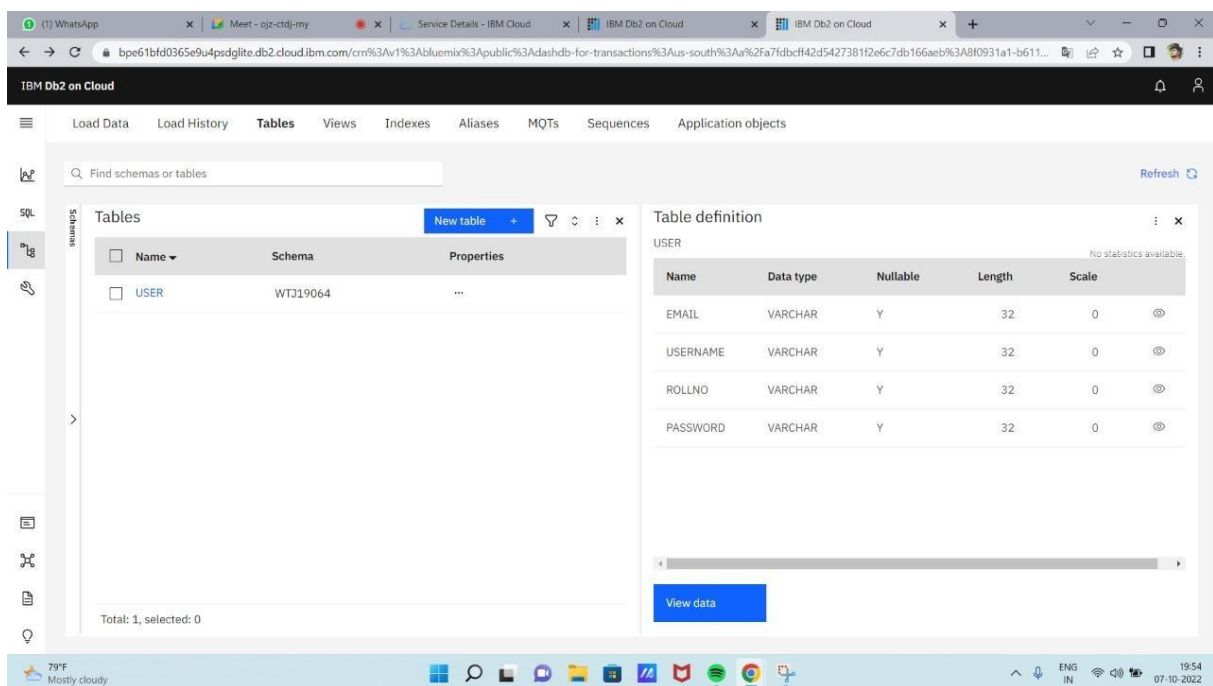


ASSIGNMENT – 3

TEAM ID : PNT2022TMID49399

PROJECT NAME : NEWS TRACKER APPLICATION

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



INSERT QUERY :

```
INSERT INTO USER(email,username,rollno,password)
VALUES('kavinag197@gmail.com','Kavin_51','19CS051',1234),
('pradeeep@gmail.com','pradeep84','19CS084',3434),
('dhyanaparna14@gmail.com','Aparna22','19CS022',12356),
('pandidurai@gmail.com','Pandi79','19CS079',9775);
```

IBM Db2 on Cloud

Data objects My script

WTJ19064

```
1 INSERT INTO USER(email,username,rollno,password)
2 VALUES('kavinag197@gmail.com','Kavin_51','19CS051',1234),
3 ('pradeeep@gmail.com','pradeep84','19CS084',3434),
4 ('dhyanaaparna14@gmail.com','Aparna22','19CS022',12356),
5 ('pandidurai@gmail.com','Pandi79','19CS079',9775);
```

History Results

Script	Date	Status	Runtime
Untitled - 1	Oct 7, 2022 7:51:24 PM	1	0.008 s
INSERT INTO USER(email,username,rollno,password) VALUES('kavinag197@gmail.co...			0.008 s

AFTER INSERTING THE VALUES INTO THE TABLE:

WTJ19064.USER

Export to CSV

EMAIL	USERNAME	ROLLNO	PASSWORD
dhyanaaparna14@gmail.com	Aparna22	19CS022	12356
kavinag197@gmail.com	Kavin_51	19CS051	1234
pandidurai@gmail.com	Pandi79	19CS079	9775
pradeeep@gmail.com	pradeep84	19CS084	3434

2. PERFORM UPDATE AND DELETE QUERIES WITH USER TABLE :

DELETING QUERY :

DELETE FROM USER WHERE username='Kavin_51';

The screenshot shows a SQL editor window titled '*Untitled - 1'. The query entered is `DELETE FROM USER WHERE username='Kavin_51';`. The interface includes a 'Run all' button and a 'Syntax assistant' toggle. Below the editor, the 'History' tab is active, displaying a table of executed queries.

Script	Date	Status	Runtime
Untitled - 1	Oct 7, 2022 8:03:58 PM	✓ 1	0.040 s
DELETE FROM USER WHERE username='Kavin_51'		✓	0.040 s
Untitled - 1	Oct 7, 2022 7:51:24 PM	✓ 1	0.000 s
INSERT INTO USER(email,username,rollno,password) VALUES('kavinag197@gmail.co...		✓	0.000 s

The screenshot shows the IBM Db2 on Cloud console. The 'Tables' tab is selected, and the table 'WTJ19064.USER' is displayed. The table contains three rows of user data, which are highlighted with a red border. An 'Export to CSV' button is visible in the top right corner of the table view.

EMAIL	USERNAME	ROLLNO	PASSWORD
dhyanaaparna14@gmail.com	Aparna22	19CS022	12356
pandidurai@gmail.com	Pandi79	19CS079	9775
pradeep@gmail.com	pradeep84	19CS084	3434

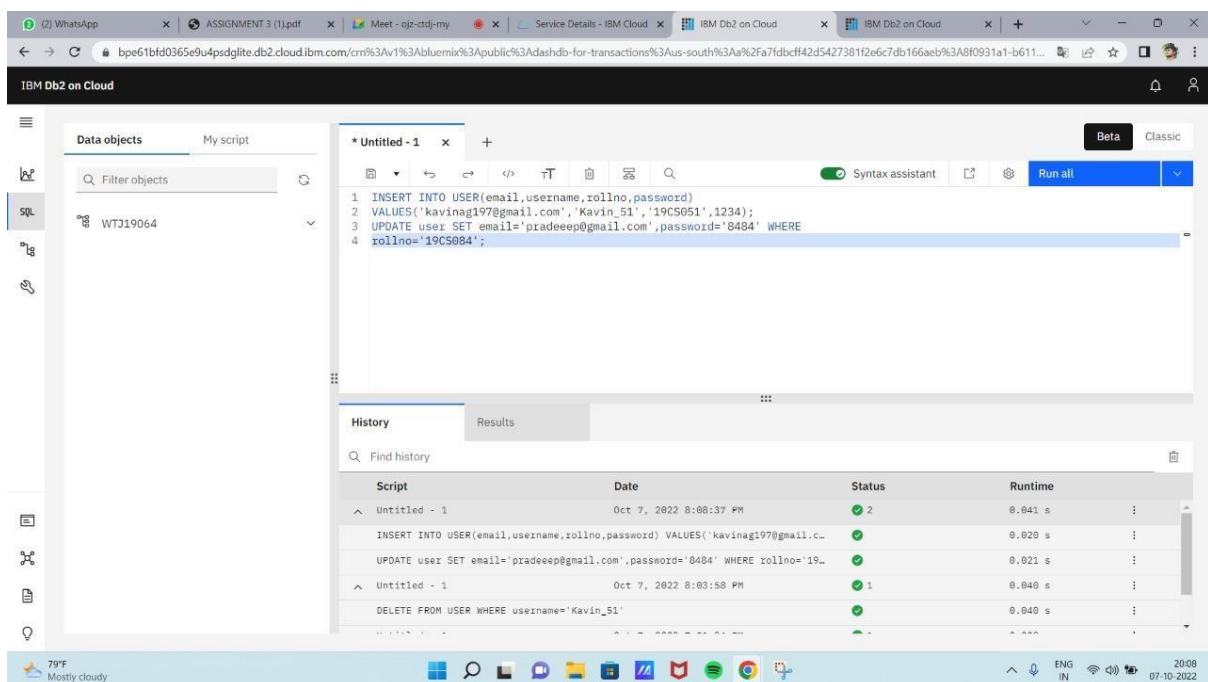
UPDATING QUERY :

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

VALUES('kavinag197@gmail.com','Kavin_51','19CS051',1234);

UPDATE user SET email='pradeep@gmail.com',password='8484'
WHERE

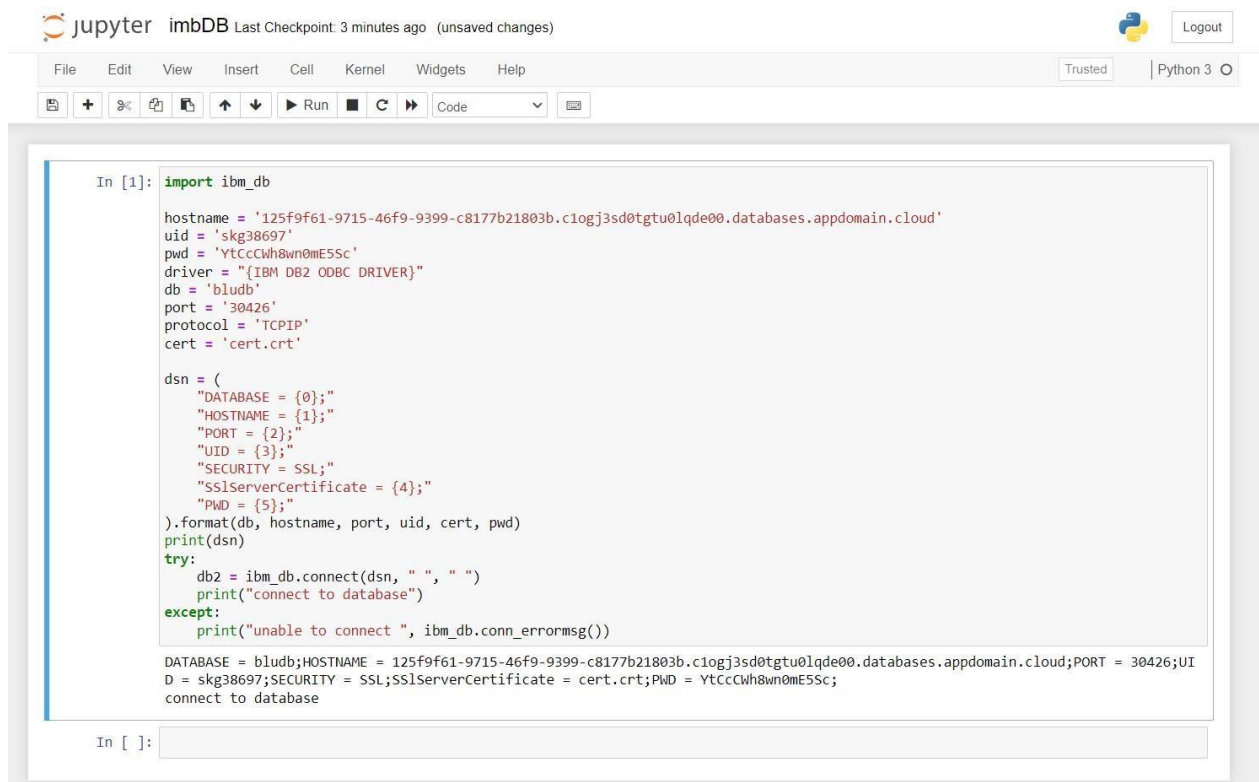
rollno='19CS084';



The screenshot shows the IBM Db2 on Cloud console interface, specifically the 'Tables' view. The table 'WTJ19064.USER' is selected, and its data is displayed in a table format. The table has four columns: EMAIL, USERNAME, ROLLNO, and PASSWORD. The data rows show five records, with the last record having a red underline under the PASSWORD column.

EMAIL	USERNAME	ROLLNO	PASSWORD
dhyanaaparna14@gmail.com	Aparna22	19CS022	12356
kavinag197@gmail.com	Kavin_51	19CS051	1234
pandidurai@gmail.com	Pandi79	19CS079	9775
pradeep@gmail.com	pradeep84	19CS084	8484

3. CONNECT PYTHON TO db2:



```
In [1]: import ibm_db

hostname = '125f9f61-9715-46f9-9399-c8177b21803b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud'
uid = 'skg38697'
pwd = 'YtCcCWh8wn0mE5Sc'
driver = "{IBM DB2 ODBC DRIVER}"
db = 'bludb'
port = '30426'
protocol = 'TCP/IP'
cert = 'cert.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 = 125f9f61-9715-46f9-9399-c8177b21803b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT = 30426;UID = skg38697;SECURITY = SSL;SSLServerCertificate = cert.crt;PWD = YtCcCWh8wn0mE5Sc;
connect to database

In [ ]:
```

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 = '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)
```

```

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>

primary ms-
auto">

Login
</button>
</div>
</form>
</div>
<div class="card-footer py-3 border-0">
    <div class="text-center">
        Don't have an account? <a
href="signup.html" class="text-dark">Create
One</a>
    </div>
</div>
</div>
</div>
</div>
</div>
</section>
</div>

</body>
</html>
```

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" 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>
                  </form>
                </div>
              </div>
            </div>
          </div>
        </div>
      </section>
    </div>
  </body>
</html>
```

```

        </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">

```

