# **ASSIGNMENT - 3**

**TEAM ID: PNT2022TMID19417** 

PROJECT NAME: PLASMA DONOR APPLICATION

1. Create user table with user email, username, roll number, password.

## **QUERY:**

### **INSERT INTO STUDENTS**

VALUES(31, 'RITHIGA', 'rithiga@gmail.com', 'rithi@2'),

(51, 'KALAIYARASI', 'kalaiyarasi@gmail.com', 'kalai@2'),

(61, 'SRIMATHI', 'srimathi@gmail.com', 'sri@246'),

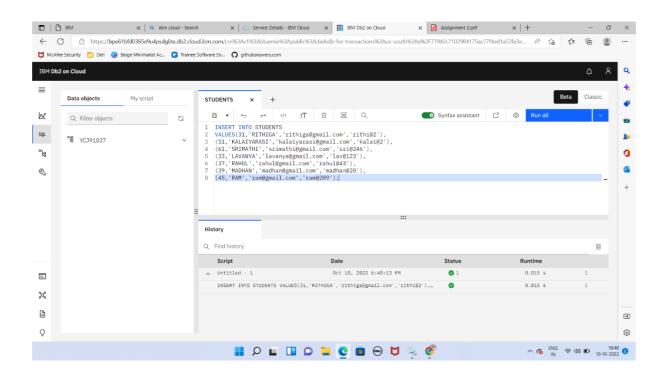
(33, 'LAVANYA', 'lavanya@gmail.com', 'lav@123'),

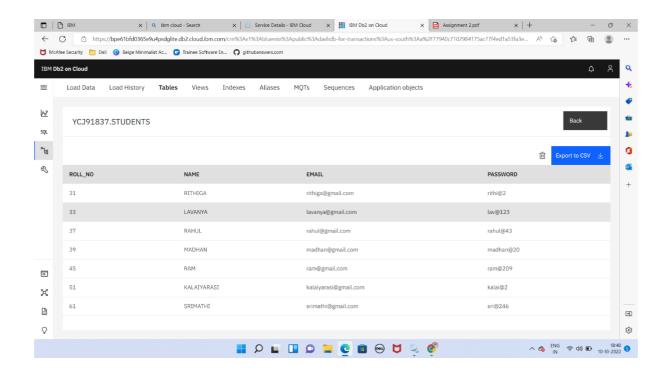
(37, 'RAHUL', 'rahul@gmail.com', 'rahul@43'),

(39, 'MADHAN', 'madhan@gmail.com', 'madhan@20'),

(45,'RAM','ram@gmail.com','ram@209');

#### **OUTPUT:**





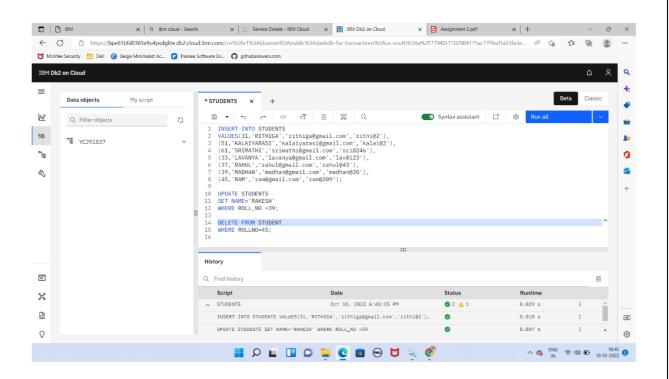
## 2. Perform UPDATE, DELETE queries with user table.

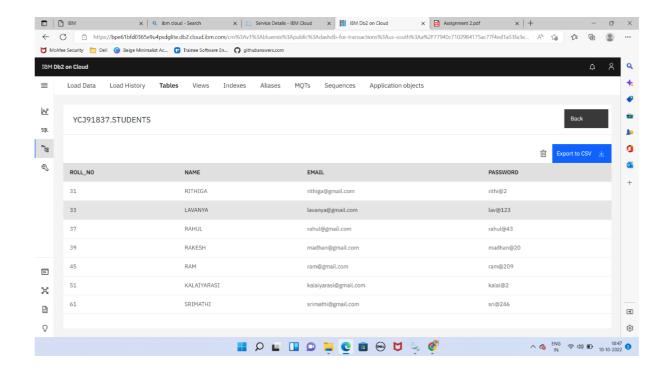
# **QUERY:**

UPDATE STUDENTS SET NAME='RAKESH' WHERE ROLL\_NO =39;

DELETE FROM STUDENT WHERE ROLLNO=45;

## **OUTPUT:**

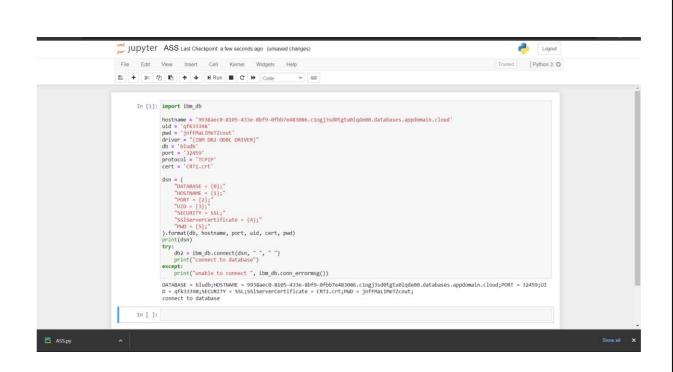




#### 3. CONNECT PYTHON TO db2:

## **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;"
  "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. Create a flask app with registration page, login page and welcome page.

#### 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-</pre>
beta2/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
    <nav class="navbar navbar-expand-lg bg-light" style="background-color:</pre>
#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"</pre>
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><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-</pre>
beta2/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
    <nav class="navbar navbar-expand-lg bg-light" style="background-color:</pre>
#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"</pre>
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><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-</pre>
beta2/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
    <nav class="navbar navbar-expand-lg bg-light" style="background-color:</pre>
#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"</pre>
href="#">SignIn</a>
                    <a class="nav-link" href="signup.html">SignUp</a>
                </div>
            </div>
        </div>
    </nav>
    <div class="text-center my-5"</pre>
        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-</pre>
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"</pre>
novalidate="" autocomplete="off">
                                      <div class="mb-3">
                                           <label class="mb-2 text-muted"</pre>
for="email">E-Mail Address</label>
                                          <input id="email" type="email"</pre>
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"</pre>
for="password">Password</label>
                                               <a href="forgot.html"</pre>
class="float-end">
                                                   Forgot Password?
                                               </a>
                                           </div>
                                           <input id="password" type="password"</pre>
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"</pre>
name="remember" id="remember"
                                                   class="form-check-input">
                                               <label for="remember" class="form-</pre>
check-label">Remember Me</label>
                                           </div>
                                           <button type="submit" class="btn btn-</pre>
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-</pre>
beta2/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
    <nav class="navbar navbar-expand-lg bg-light" style="background-color:</pre>
#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"</pre>
href="#">SignUp</a>
                </div>
            </div>
        </div>
    </nav>
    <div class="text-center my-5"</pre>
        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-</pre>
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"</pre>
novalidate="" autocomplete="off">
```

```
<div class="mb-3">
                                        <label class="mb-2 text-muted"</pre>
for="name">Name</label>
                                        <input id="name" type="text"</pre>
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"</pre>
for="email">E-Mail Address</label>
                                        <input id="email" type="email"</pre>
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"</pre>
for="password">Password</label>
                                        <input id="password" type="password"</pre>
class="form-control" name="password"
                                             required>
                                        <div class="invalid-feedback">
                                            Password is required
                                        </div>
                                    </div>
                                    By registering you agree with our
terms and condition.
                                    <div class="align-items-center d-flex">
                                        <button type="submit" class="btn btn-</pre>
primary 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")
```