

# ASSIGNMENT NO 3

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PROJECT: NUTRITION ASSISTANT APPLICATION

PROJECT ID: PNT2022TMID19500

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

Query:

INSERT INTO TABLENO6

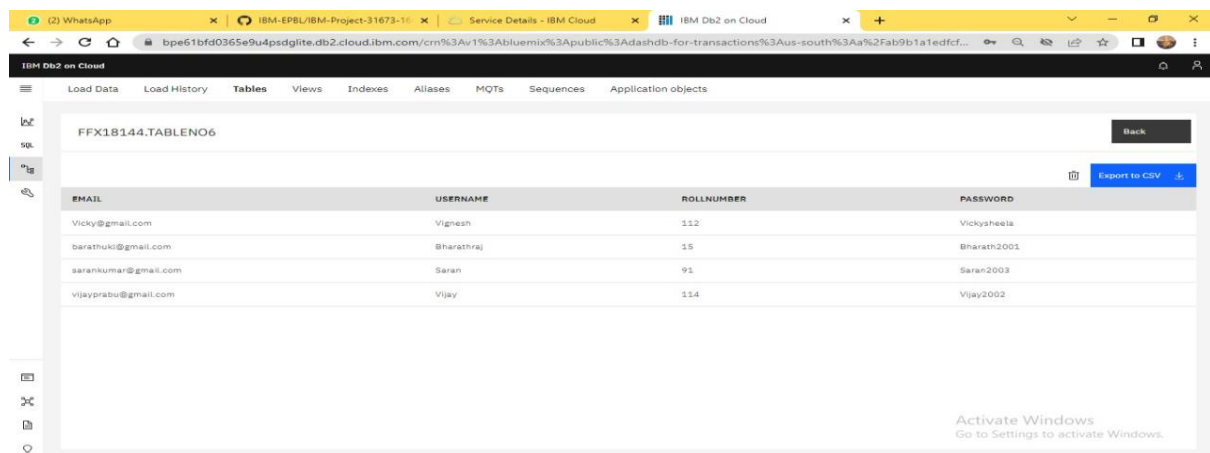
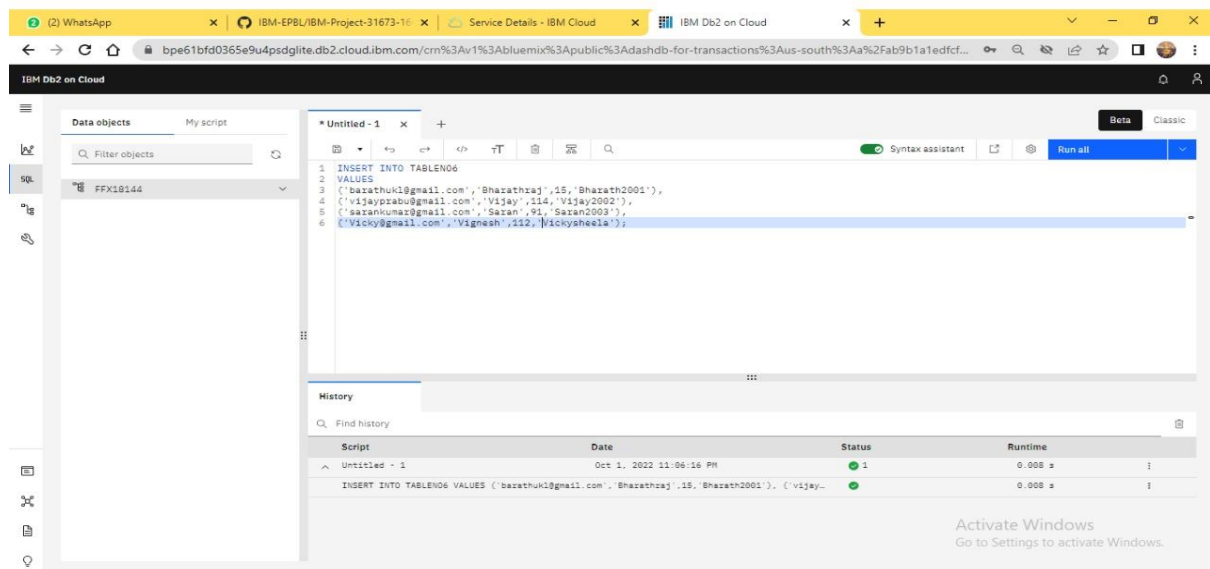
VALUES

('barathukl@gmail.com','Bharathraj',15,'Bharath2001'),

('vijayprabu@gmail.com','Vijay',114,'Vijay2002'),

('sarankumar@gmail.com','Saran',91,'Saran2003'),

('Vicky@gmail.com','Vignesh',112,'Vickysheela');



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

Query :

UPDATE TABLENO6

SET Username = 'Ranjitha'

WHERE Rollnumber = 112 ;

DELETE FROM TABLENO6

WHERE Username = 'Saran';

The screenshot displays the IBM Db2 on Cloud web interface. The top section shows a SQL script editor with the following code:

```
1 UPDATE TABLENO6
2 SET Username = 'Ranjitha'
3 WHERE Rollnumber = 112 ;
4
5 DELETE FROM TABLENO6
6 WHERE Username = 'Saran';
```

Below the editor, a 'History' tab shows the execution results:

Script	Date	Status	Runtime
Untitled - 1	Oct 1, 2022 11:09:54 PM	Success	0.010 s
UPDATE TABLENO6 SET Username = 'Ranjitha' WHERE Rollnumber = 112		Success	0.007 s
DELETE FROM TABLENO6 WHERE Username = 'Saran'		Success	0.003 s

The bottom section shows the 'Tables' view for the database 'FFX18144.TABLENO6'. It displays a table with the following data:

EMAIL	USERNAME	ROLLNUMBER	PASSWORD
Vicky@gmail.com	Ranjitha	112	Vickysheela
barathukil@gmail.com	Bharathraj	15	Bharath2001
vijayprabu@gmail.com	Vijay	114	Vijay2002

### 3.Connect Python code to db2.

CODE:

```
import ibm_db
```

```
hostname = 'ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud'
```

```
uid = 'ffx18144'

pwd = 'CNHyqBEIvbEcBBZR'

driver = "{IBM DB2 ODBC DRIVER}"

db = 'blddb'

port = '31321'

protocol = 'TCPIP'

cert = 'bharath.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())
```

Browser tabs: (24) WhatsApp, Meet - qpt-byaw-zvu, Service Details - IBM Cloud, IBM Db2 on Cloud, Home Page - Select or create, RanjithalBMPython - Jupyter

localhost:8888/notebooks/RanjithalBMPython.ipynb

Jupyter RanjithalBMPython Last Checkpoint: 7 minutes ago (unsaved changes) Logout

File Edit View Insert Cell Kernel Widgets Help Trusted Python 3 (ipykernel)

```
In [1]: import ibm_db

hostname = 'b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqnk39u98g.databases.appdomain.cloud'
uid = 'crr86006'
pwd = 'LL5uvdRk05KV6ijh'
driver = "{IBM DB2 ODBC DRIVER}"
db = 'bludb'
port = '31249'
protocol = 'TCP/IP'
cert = 'RANJITHAIBM.crt'

dsn = (
    "DATABASE = {};"
    "HOSTNAME = {};"
    "PORT = {};"
    "UID = {};"
    "SECURITY = SSL;"
    "SSLServerCertificate = {};"
    "PWD = {};"
).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 = b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqnk39u98g.databases.appdomain.clou
d;PORT = 31249;UID = crr86006;SECURITY = SSL;SSLServerCertificate = RANJITHAIBM.crt;PWD = LL5uvdRk05KV6ijh;
unable to connect [IBM][CLI Driver] SQL1042C An unexpected system error occurred. SQLSTATE=58004  SQLCODE=-1
042
```

In [ ]: |

#### 4.TO CREATE A FLASK

##### 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">
&ltdiv 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">

```



```

                <div class="text-center">
                    Don't have an account? <a
href="signup.html" class="text-dark">Create
                        One</a>
                </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" 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">

```

```
<a href="/signin.html" class="text-dark">Login</a>  
    </div>  
  </div>  
</div>  
  
  </div>  
</div>  
</section>  
</div>  
  
</body>  
  
</html>
```

## **app.py**

```
from flask import Flask,

render_templateapp = 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")
```