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.
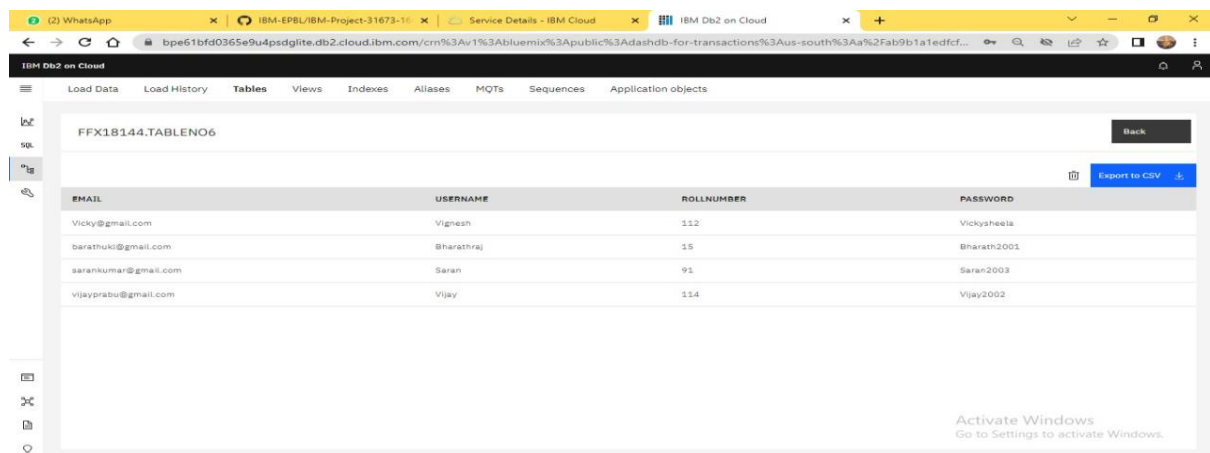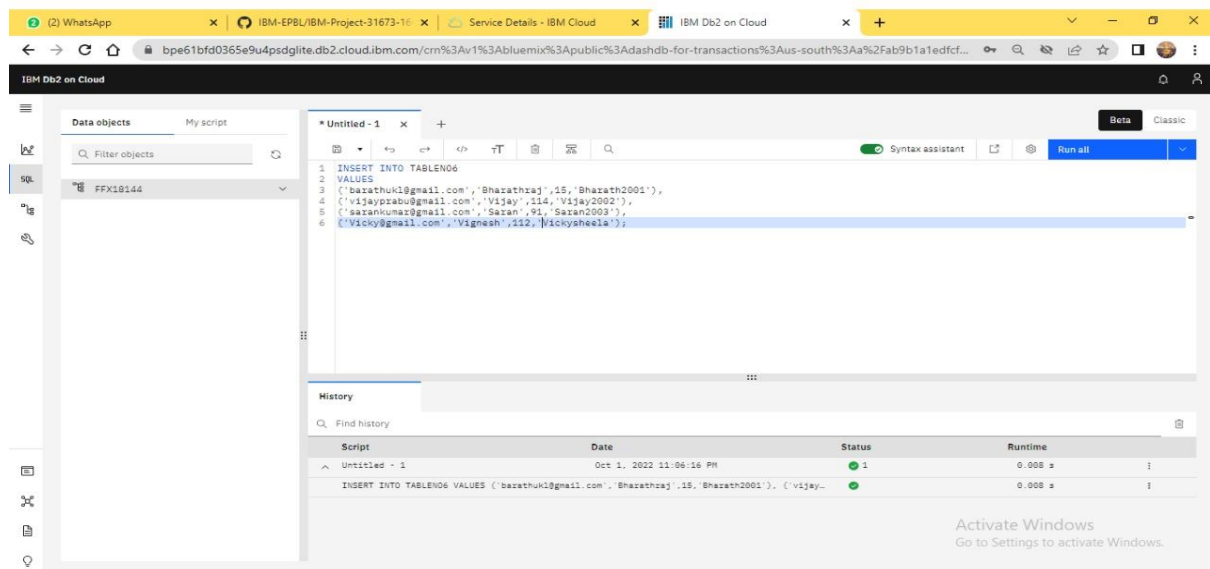
Query:

INSERT INTO TABLENO6

VALUES

('barathuk1@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';

3.Connect Python code to db2.

CODE:

```
import ibm_db

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

```python
uid = 'ffx18144'

pwd = 'CNHyqBElvbEcBBZR'

driver = "{IBM DB2 ODBC DRIVER}"

db = 'bludb'

port = '31321'

protocol = 'TCPIP'

cert = 'bharath.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())
```

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

Logout

File   Edit   View   Insert   Cell   Kernel   Widgets   Help

Trusted   Python 3 (ipykernel)

Code

```python
In [1]: import ibm_db

hostname = 'b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud'
uid = 'crr86006'
pwd = 'LL5uvdRk05KVGijH'
driver = "{IBM DB2 ODBC DRIVER}"
db = 'bludb'
port = '31249'
protocol = 'TCPIP'
cert = 'RANJITHAIBM.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 = b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqnrk39u98g.databases.appdomain.clou
d;PORT = 31249;UID = crr86006;SECURITY = SSL;SSlServerCertificate = RANJITHAIBM.crt;PWD = LL5uvdRk05KVGijH;
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

```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

```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

```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">
```

```html
                                <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">
```

```html
                            <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

```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">
```

```html
                                                <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">
```

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

                    </div>
                </div>
            </div>
        </section>
    </div>

</body>

</html>
```

app.py

```python
from flask import Flask,

render_templateapp = Flask(__name__)

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

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

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

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