

# ASSIGNMENT NO 3

NAME: PONMATHI.R

PROJECT: NUTRITION ASSISTANT APPLICATION

PROJECT ID: PNT2022TMID12243

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

INSERT INTO TABLENO6

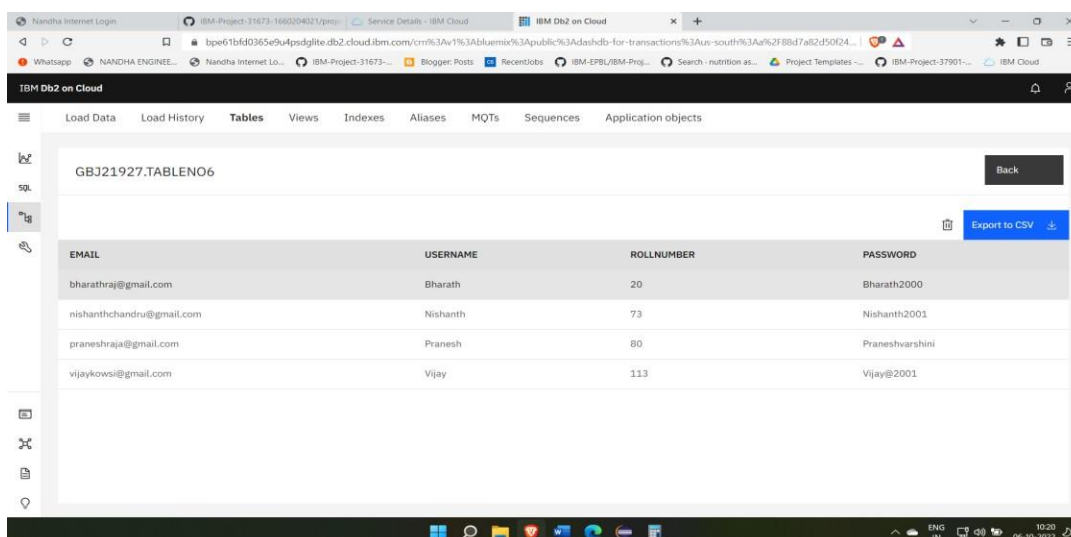
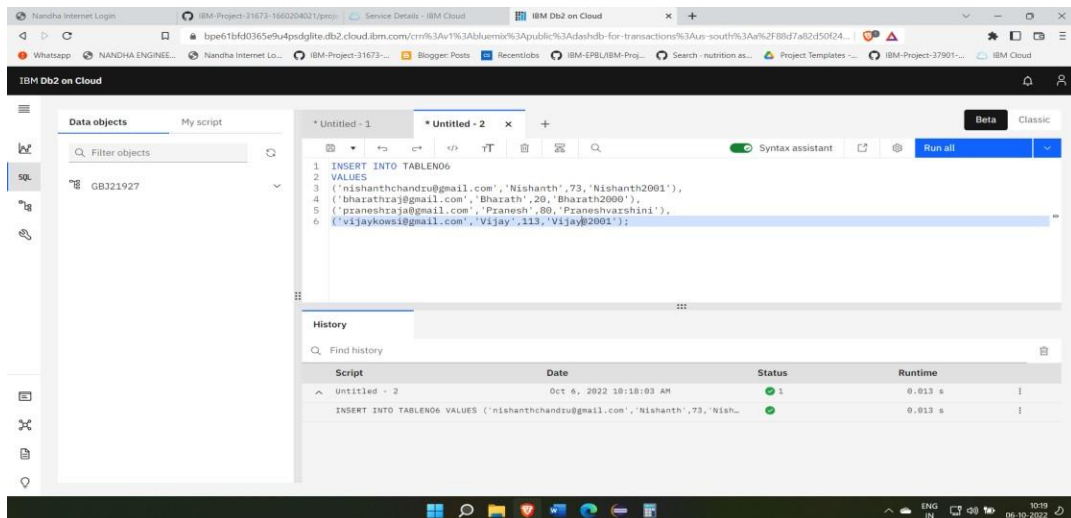
VALUES

('nishanthchandru@gmail.com','Nishanth',73,'Nishanth2001'),

('bharathraj@gmail.com','Bharath',20,'Bharath2000'),

('praneshraja@gmail.com','Pranesh',80,'Praneshvarshini'),

('vijaykowsi@gmail.com','Vijay',113,'Vijay@2001');



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

UPDATE TABLENO6

SET Rollnumber = 25

WHERE Username = 'Bharath';

DELETE FROM TABLENO6

WHERE Username='Vijay';

The screenshot shows the IBM Db2 on Cloud console interface. On the left, the 'Data objects' panel lists 'GBJ21927'. The main area displays a SQL script in a text editor with the following content:

```
1 UPDATE TABLENO6
2 SET Rollnumber = 25
3 WHERE Username = 'Bharath';
4
5 DELETE FROM TABLENO6
6 WHERE Username='Vijay';
```

Below the script editor, the 'History' tab shows a table of executed scripts:

Script	Date	Status	Runtime
Untitled - 2	Oct 6, 2022 10:23:42 AM	✓ 2	0.051 s
UPDATE TABLENO6 SET Rollnumber = 25 WHERE Username = 'Bharath'		✓	0.016 s
DELETE FROM TABLENO6 WHERE Username='Vijay'		✓	0.035 s
Untitled - 2	Oct 6, 2022 10:18:03 AM	✓ 1	0.013 s
INSERT INTO TABLENO6 VALUES ('nishanthchandr@gmail.com','Nishanth','73','Nish...		✓	0.013 s

The screenshot shows the IBM Db2 on Cloud console interface displaying the contents of the 'GBJ21927.TABLENO6' table. The table has four columns: EMAIL, USERNAME, ROLLNUMBER, and PASSWORD. The data is as follows:

EMAIL	USERNAME	ROLLNUMBER	PASSWORD
bharathraj@gmail.com	Bharath	25	Bharath2000
nishanthchandr@gmail.com	Nishanth	73	Nishanth2001
praneshraja@gmail.com	Pranesh	80	Praneshvarshini

### 3) CONNECT PYTHON TO DB2:

```
import ibm_db

hostname = '2f3279a5-73d1-4859-88f0-a6c3e6b4b907.c3n41cmd0nqnkrk39u98g.databases.appdomain.cloud'

uid = 'gbj21927'

pwd = 'skRdfv9YUhrJjxeo'

driver = "{IBM DB2 ODBC DRIVER}"

db = 'bludb'

port = '30756'

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)

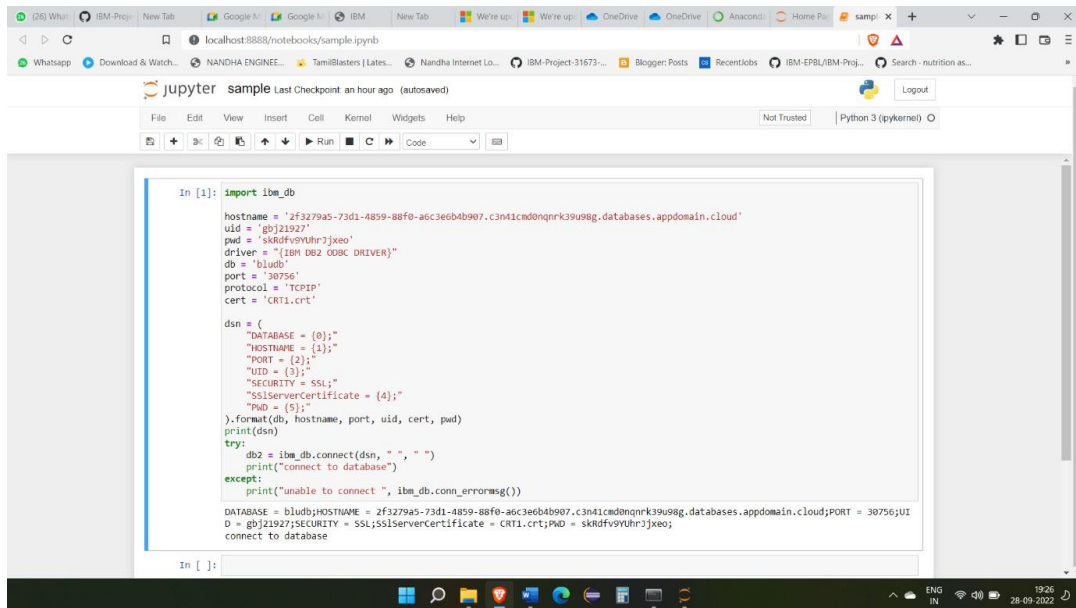
try:

    db2 = ibm_db.connect(dsn, " ", " ")

    print("connect to database")

except:

    print("unable to connect ", ibm_db.conn_errormsg())
```



## 4) Create a flask Application

### 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.jsdelivrivr.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">

```

```
<!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>
```



