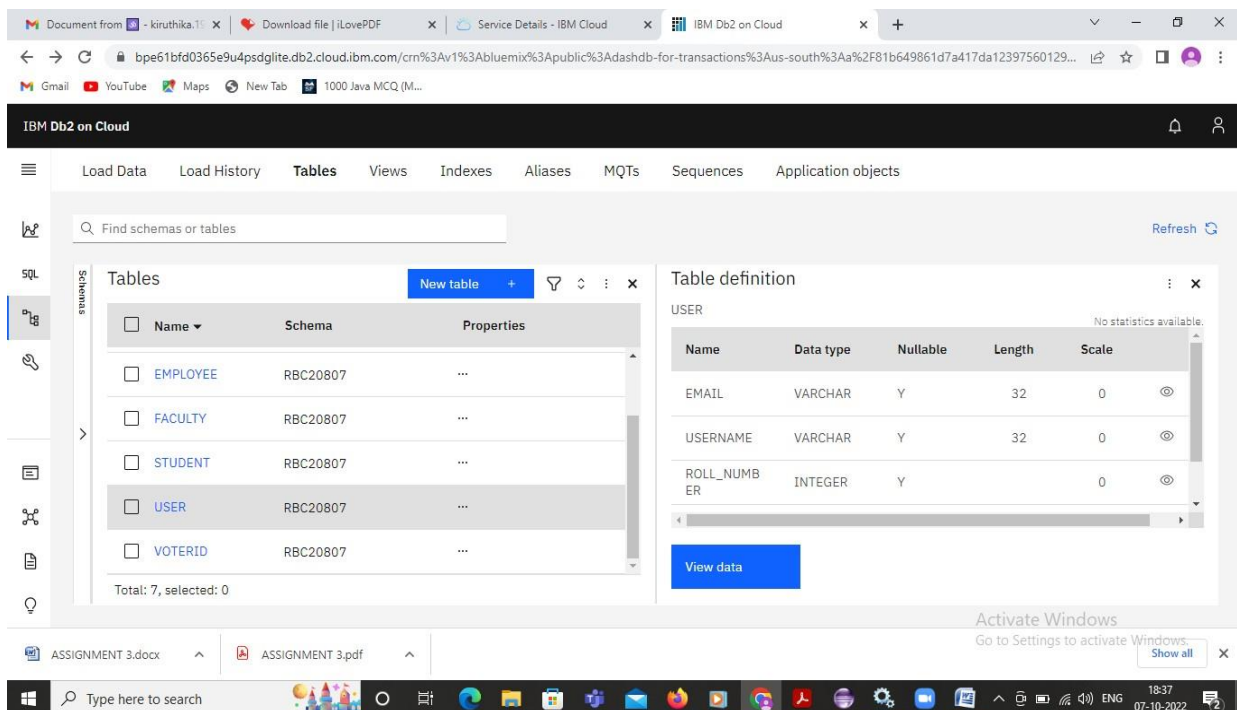


ASSIGNMENT - 2

TEAM ID : PNT2022TMID23221

PROJECT NAME : PERSONAL EXPENSE TRACKER
APPLICATION

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



INSERT QUERY:

```
INSERT INTO USER  
VALUES('ashadeviks@gmail.com','Ashadevi_01',01,1826),  
('ramyasria@gmail.com','ramyasri2000',08,1473),  
('lakshmisria@gmail.com','lakshmisri2000',14,4831),  
('kavyashriks@gmail.com','kavyashri2002',54,8362),  
('dkiruthika002@gmail.com','kiruthi2002',55,3829);
```

IBM Db2 on Cloud

Data objects | My script

Filter objects

RBC20807

```

1 INSERT INTO USER VALUES('ashadeviks@gmail.com', 'Ashadevi_01', 01, 1826),
2 ('ramyasria@gmail.com', 'ramyasri2000', 08, 1473),
3 ('lakshmisria@gmail.com', 'lakshmisri2000', 14, 4831),
4 ('kavyashriks@gmail.com', 'kavayashri2002', 54, 8362),
5 ('dkiruthika002@gmail.com', 'kiruthi2002', 55, 3829);

```

History

Script	Date	Status	Runtime
Untitled - 6	Oct 7, 2022 6:36:03 PM	✓ 1	0.039 s
INSERT INTO USER VALUES('ashadeviks@gmail.com', 'Ashadevi_01', ...		✓	0.039 s

Activate Windows
Go to Settings to activate Windows.

OUTPUT:

IBM Db2 on Cloud

Load Data | Load History | **Tables** | Views | Indexes | Aliases | MQTs | Sequences | Application objects

RBC20807.USER

Export to CSV

EMAIL	USERNAME	ROLL_NUMBER	PASSWORD
ashadeviks@gmail.com	Ashadevi_01	1	1826
dkiruthika002@gmail.com	kiruthi2002	55	3829
kavyashriks@gmail.com	kavayashri2002	54	8362
lakshmisria@gmail.com	lakshmisri2000	14	4831
ramyasria@gmail.com	ramyasri2000	8	1473

Activate Windows
Go to Settings to activate Windows.

2. PERFORM UPDATE AND DELETE QUERIES WITH USER TABLE:

DELETE QUERY:

DELETE FROM USER WHERE USERNAME='kiruthi2002';

The screenshot shows the IBM Db2 on Cloud console interface. On the left, the 'Data objects' panel lists 'RBC20807'. The main editor area shows a script with the query: `DELETE FROM USER WHERE USERNAME='kiruthi2002';`. Below the editor, the 'History' tab displays a table of executed scripts.

Script	Date	Status	Runtime
Untitled - 7	Oct 7, 2022 6:42:00 PM	1	0.040 s
DELETE FROM USER WHERE USERNAME='kiruthi2002'			0.040 s
Untitled - 6	Oct 7, 2022 6:41:01 PM	1	0.018 s
INSERT INTO USER VALUES('ashadeviks@gmail.com', 'Ashadevi_01', 01...			0.018 s

OUTPUT:

The screenshot shows the IBM Db2 on Cloud console displaying the output of the DELETE query. The 'Tables' tab is selected, and the 'RBC20807.USER' table is shown. The table contains the following data:

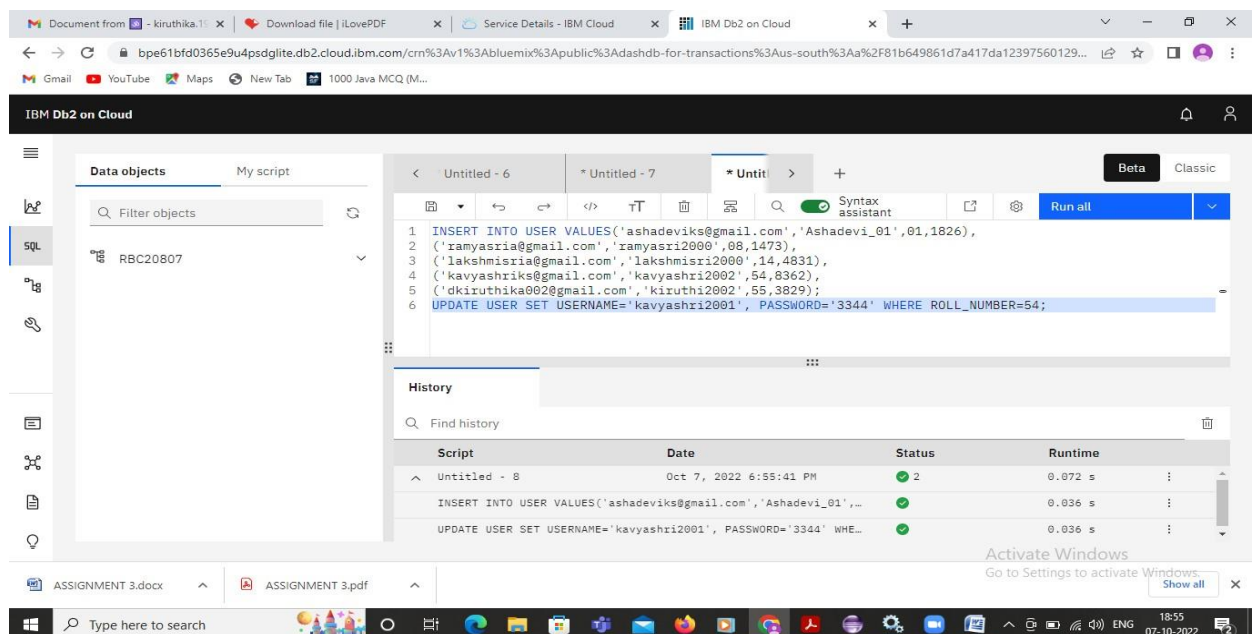
EMAIL	USERNAME	ROLL_NUMBER	PASSWORD
ashadeviks@gmail.com	Ashadevi_01	1	1826
kavyashriks@gmail.com	kavyashri2002	54	8362
lakshmisria@gmail.com	lakshmisri2000	14	4831
ramyasria@gmail.com	ramyasri2000	8	1473

UPDATING QUERY:

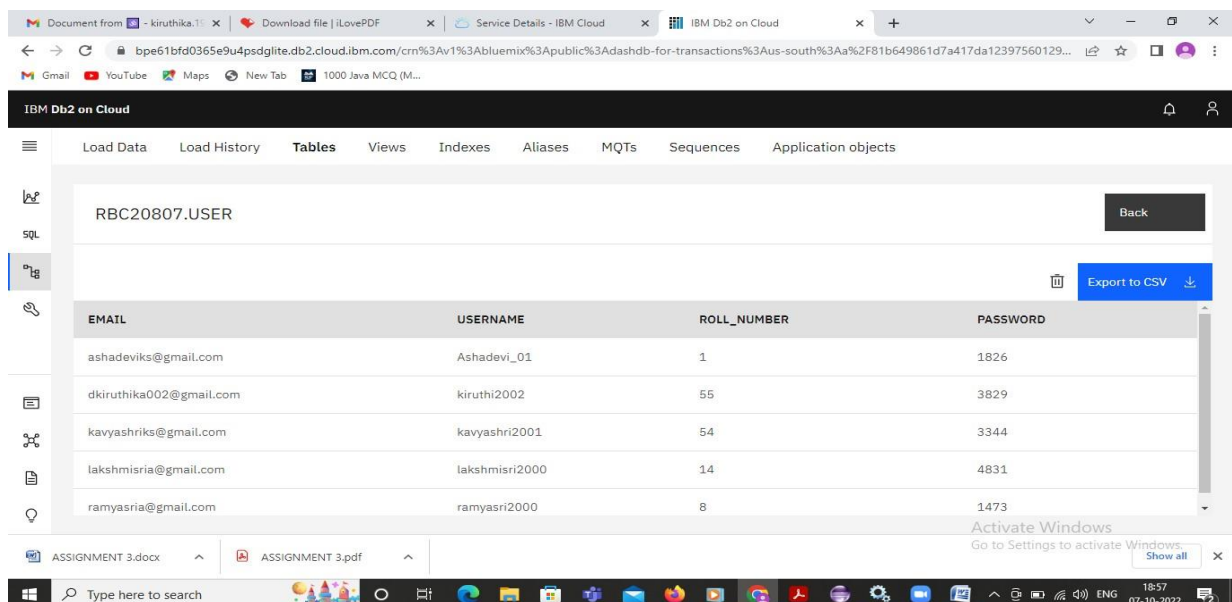
INSERT INTO USER

```
VALUES('ashadeviks@gmail.com','Ashadevi_01',01,1826),  
('ramyasria@gmail.com','ramyasri2000',08,1473),  
('lakshmisria@gmail.com','lakshmisri2000',14,4831),  
('kavyashriks@gmail.com','kavyashri2002',54,8362),  
('dkiruthika002@gmail.com','kiruthi2002',55,3829);
```

```
UPDATE USER SET USERNAME='kavyashri2001', PASSWORD='3344'  
WHERE ROLL_NUMBER=54;
```



OUTPUT:



3.CONNECT PYHON TO db2:

CODE :

```
import ibm_db
hostname = '9938aec0-8105-433e-8bf9-
0fbb7e483086.c1ogj3sd0tgtu0lqde00.databases.appdo
main.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;"
    "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())
```

```
In [1]: import ibm_db

hostname = '9938aec0-8105-433e-8bf9-0fb7e483086.clogj3sd0tgu0lqde00.databases.appdomain.cloud'
uid = 'qfk33398'
pwd = 'jnffMaLMeTZcout'
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)
try:
    db2 = ibm_db.connect(dsn, "", "")
    print("connect to database")
except:
    print("unable to connect ", ibm_db.conn_errormsg())

DATABASE = bludb;HOSTNAME = 9938aec0-8105-433e-8bf9-0fb7e483086.clogj3sd0tgu0lqde00.databases.appdomain.cloud;PORT = 32459;UID = qfk33398;SECURITY = SSL;SSLServerCertificate = CRT1.crt;PWD = jnffMaLMeTZcout;
connect to database
```

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>
<linkhref="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>
</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      xxl-4 col-xl-5 col-lg-5 col-md-7 col-sm-9">
clas      <div class="text-center my-5"></div>
s="c      <div class="card shadow-lg">
ol-      <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"
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>

```



```

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</labe
l>
                                    <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">
        Already have an account? <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_template
```

```
app = Flask(__name_)
```

```
@app.route("/")
```

```
@app.route("/hom
```

```
e")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")
```