

ASSIGNMENT NO 3

NAME: PRANESH RN

PROJECT: NUTRITION ASSISTANT APPLICATION

PROJECT ID: PNT2022TMID19500

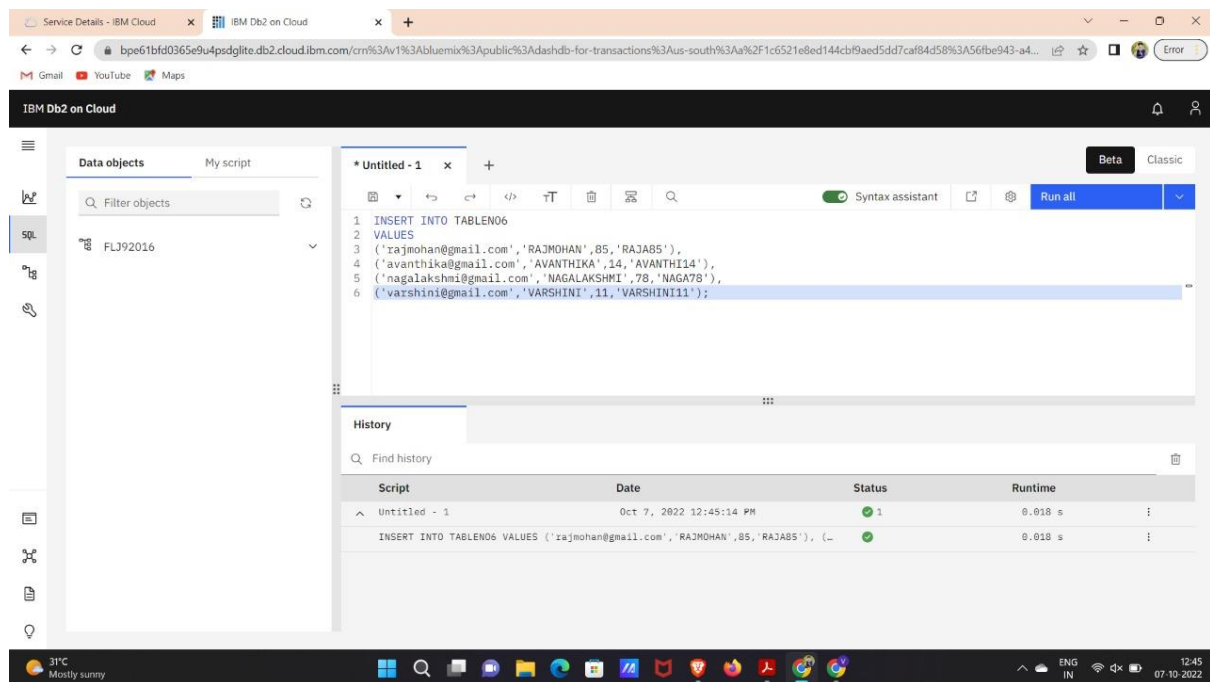
1.Create User table with user with email, username, roll number, password.

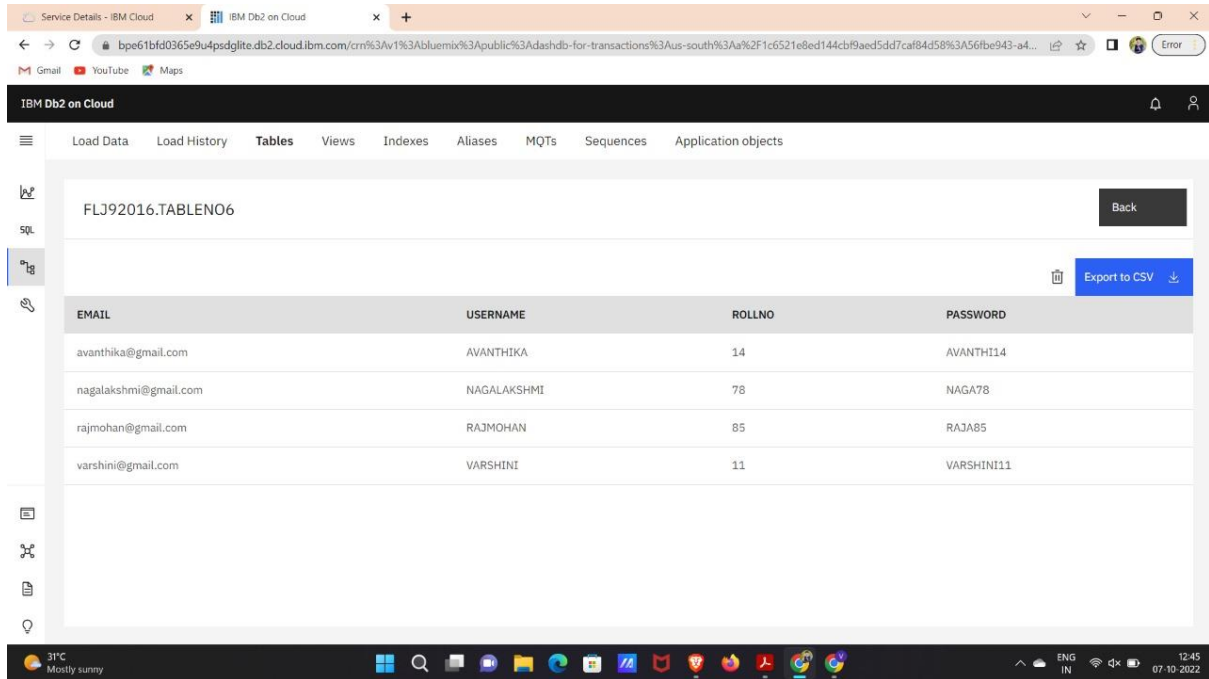
Query:

INSERT INTO TABLENO6

VALUES

```
('rajmohan@gmail.com','RAJMOHAN',85,'RAJA85'),  
('avanthika@gmail.com','AVANTHIKA',14,'AVANTHI14'),  
('nagalakshmi@gmail.com','NAGALAKSHMI',78,'NAGA78'),  
('varshini@gmail.com','VARSHINI',11,'VARSHINI11');
```





Service Details - IBM Cloud | IBM Db2 on Cloud

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F1c6521e8ed144cb9aed5dd7caf84d58%3A56f9e943-a4...

IBM Db2 on Cloud

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

FLJ92016.TABLENO6

Back

Export to CSV

EMAIL	USERNAME	ROLLNO	PASSWORD
avanthika@gmail.com	AVANTHIKA	14	AVANTHI14
nagalakshmi@gmail.com	NAGALAKSHMI	78	NAGA78
rajmohan@gmail.com	RAJMOHAN	85	RAJA85
varshini@gmail.com	VARSHINI	11	VARSHINI11

31°C Mostly sunny | 12:45 07-10-2022

2.Perform UPDATE, DELETE Queries with user table.

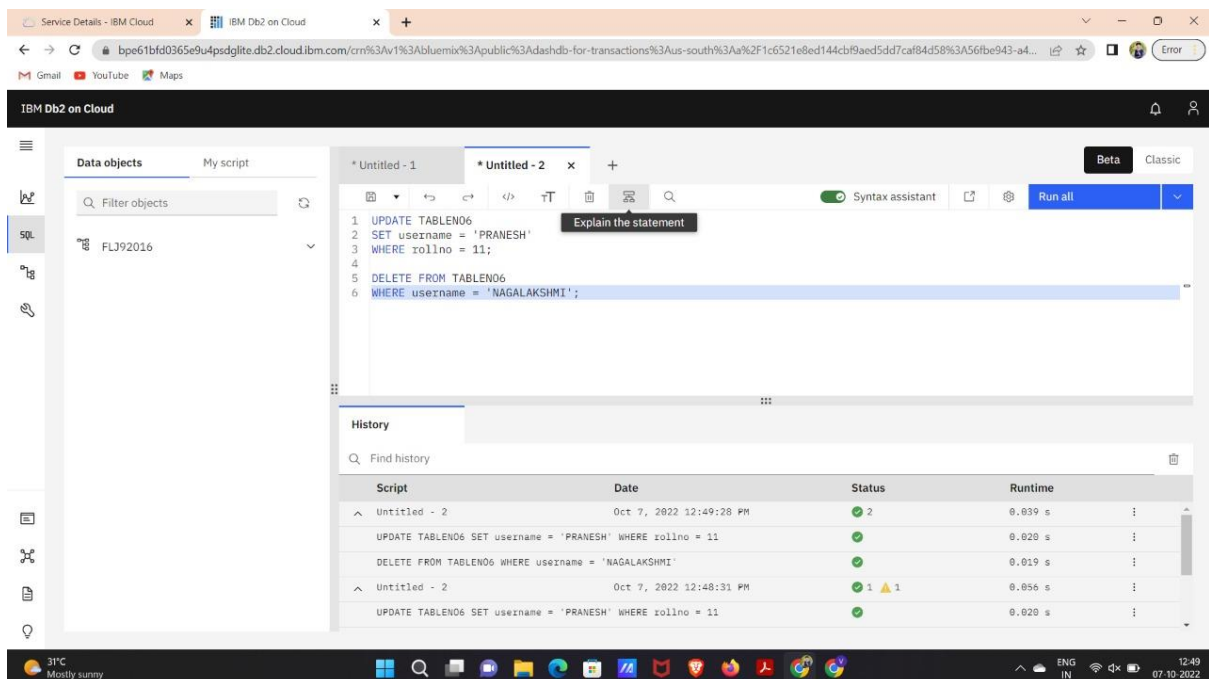
Query : UPDATE TABLENO6

SET username = 'PRANESH'

WHERE ROLLNO = 11 ;

DELETE FROM TABLENO6

WHERE username = 'NAGALAKSHMI';



Service Details - IBM Cloud | IBM Db2 on Cloud

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F1c6521e8ed144cb9aed5dd7caf84d58%3A56f9e943-a4...

IBM Db2 on Cloud

Data objects | My script

Filter objects

FLJ92016

*Untitled - 1 | *Untitled - 2

Syntax assistant | Run all

```

1 UPDATE TABLENO6
2 SET username = 'PRANESH'
3 WHERE rollno = 11;
4
5 DELETE FROM TABLENO6
6 WHERE username = 'NAGALAKSHMI';

```

History

Find history

Script	Date	Status	Runtime
Untitled - 2	Oct 7, 2022 12:49:28 PM	2	0.039 s
UPDATE TABLENO6 SET username = 'PRANESH' WHERE rollno = 11		✓	0.020 s
DELETE FROM TABLENO6 WHERE username = 'NAGALAKSHMI'		✓	0.019 s
Untitled - 2	Oct 7, 2022 12:48:31 PM	1	0.056 s
UPDATE TABLENO6 SET username = 'PRANESH' WHERE rollno = 11		✓	0.020 s

31°C Mostly sunny | 12:49 07-10-2022

IBM Db2 on Cloud

FLJ92016.TABLENO6

Back

Export to CSV

EMAIL	USERNAME	ROLLNO	PASSWORD
rajmohan@gmail.com	RAJMOHAN	85	RAJA85
varshini@gmail.com	PRANESH	11	VARSHINI11

3. Connect python to db2.

CODE:

```
import ibm_db
```

```
hostname = '9938aec0-8105-433e-8bf9-0fbb7e483086.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud'
```

```
uid = 'flj92016'
```

```
pwd = 'wxhYtwp6ojv7R7I4'
```

```
driver = "{IBM DB2 ODBC DRIVER}"
```

```
db = 'bludb'
```

```
port = '32459'
```

```
protocol = 'TCPIP'
```

```
cert = "PraneshCertificate.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)
```

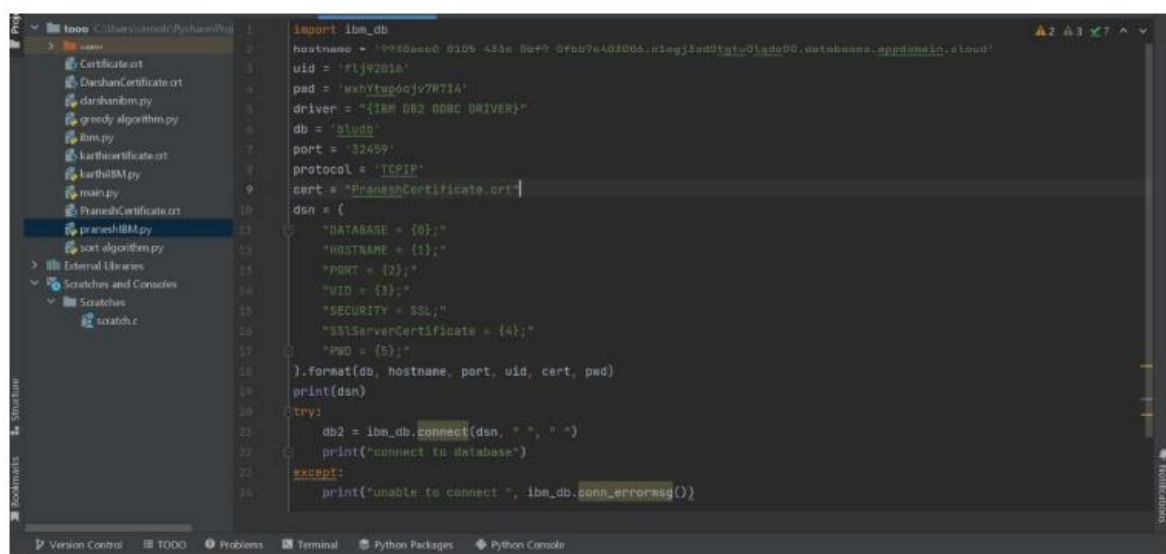
```
try:
```

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

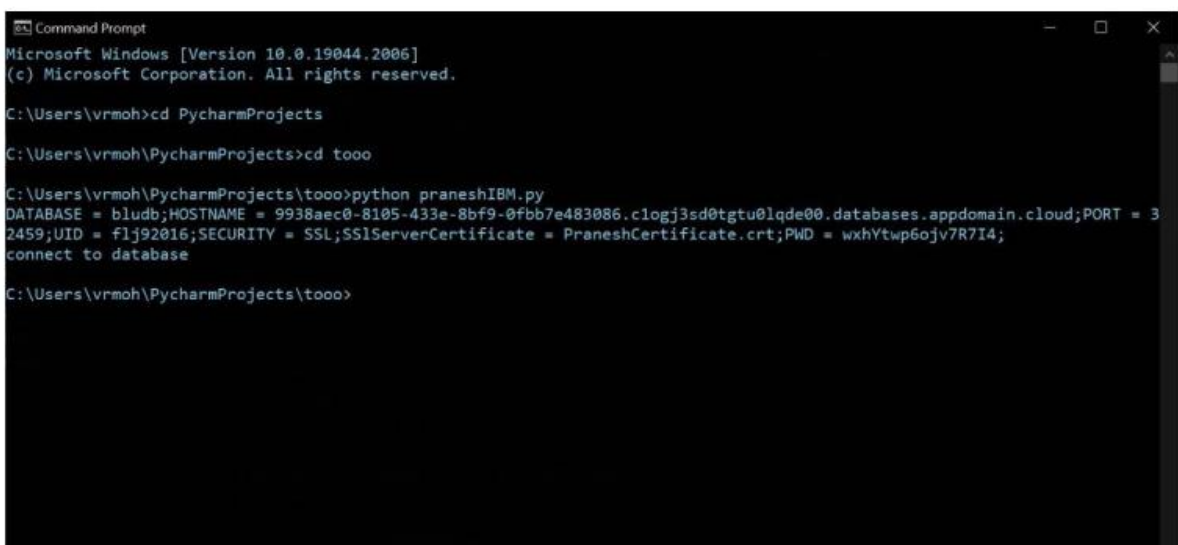
```
print("connect to database")
```

```
except:
```

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



```
1 import ibm_db
2 hostname = '9938aec0-8105-433e-8bf9-0fbb7e483086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud'
3 uid = 'flj92016'
4 pwd = 'wxhYtp60jv7R7I4'
5 driver = '{IBM DB2 ODBC DRIVER}'
6 db = 'bludb'
7 port = '32459'
8 protocol = 'TCP/IP'
9 cert = 'PraneshCertificate.crt'
10 dsn = (
11     "DATABASE = {0};"
12     "HOSTNAME = {1};"
13     "PORT = {2};"
14     "UID = {3};"
15     "SECURITY = SSL;"
16     "SSLServerCertificate = {4};"
17     "PWD = {5};"
18 ).format(db, hostname, port, uid, cert, pwd)
19 print(dsn)
20
21 try:
22     db2 = ibm_db.connect(dsn, " ", " ")
23     print("connect to database")
24 except:
25     print("unable to connect ", ibm_db.conn_errormsg())
```



```
Microsoft Windows [Version 10.0.19044.2006]
(c) Microsoft Corporation. All rights reserved.

C:\Users\vrmoj>cd PycharmProjects

C:\Users\vrmoj\PycharmProjects>cd tooo

C:\Users\vrmoj\PycharmProjects\tooo>python praneshIBM.py
DATABASE = bludb;HOSTNAME = 9938aec0-8105-433e-8bf9-0fbb7e483086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT = 32459;UID = flj92016;SECURITY = SSL;SSLServerCertificate = PraneshCertificate.crt;PWD = wxhYtp60jv7R7I4;
connect to database

C:\Users\vrmoj\PycharmProjects\tooo>
```

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">
          <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">
  <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 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="mb-3">
    <div class="mb-2 w-100">
      <label class="text-muted" for="remember">Remember Me</label>
      <input type="checkbox" class="form-check-input" name="remember" id="remember"
        checked="">
    </div>
  </div>
  <button type="submit" class="btn btn-primary">Log In</button>
</form>

```



```

        checkbox"
        class="d-
        flex align-
        items-
        center">
            <div
            class="
            form-
            check">
                <input
                type="checkbox"
                class="form-check-input"
                checked=""
                id="remember">
                    Remember me
            </div>
            <button type="submit" class="btn btn-
            primary">
                Login
            </button>
        </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>
</section>
</div>
</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">P
assword</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

```

```

    </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_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")
```

