

Assignment -3

Batch no	11
Student Name	SWETHA N
Student Reg Number	921319104207

Question-1:

- 1.Create a Bucket in IBM object storage.
- 2.Upload an 5 images to ibm object storage and make it public. write html code to displaying all the 5 images.
- 3.Upload a css page to the object storage and use the same page in your HTML code.
- 4.Design a chatbot using IBM Watson assistant for hospital. Ex: User comes with query to know the branches for that hospital in your city. Submit the web URL of that chat bot as a assignment.
- 5.Create Watson assistant service with 10 steps and use 3 conditions in it. Load that script in HTML page.

SOLUTION

templates

home.html

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

    <meta http-equiv="X-UA-Compatible" content="IE=edge" />

    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <title>Document</title>

  </head>

  <body>

    WELCOME

    <button><a href="/logout">LOGOUT</a></button>

  </body>
```

```
</html>
```

login.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8" />
```

```
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
```

```
<title>Login</title>
```

```
</head>
```

```
<body>
```

```
<h3>Login</h3>
```

```
<form method="POST">
```

```
<input type="email" name="email" placeholder="Email" required />
```

```
<input type="password" name="password" placeholder="Password" required />
```

```
<button type="submit">Login</button>
```

```
</form>
```

```
<p>{{success}}</p>
```

```
<p style="color: red">{{error}}</p>
```

```
<a href="/register">Don't have an account? Register</a>
```

```
</body>
```

```
</html>
```

register.html

```
<!DOCTYPE html>
```

```

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta http-equiv="X-UA-Compatible" content="IE=edge" />

  <meta name="viewport" content="width=device-width, initial-scale=1.0" />

  <title>Register</title>

</head>

<body class="container">

  <h3>Register</h3>

  <form method="POST">

    <input type="email" name="email" placeholder="Email" required />

    <input type="text" name="username" placeholder="Username" required />

    <input type="text" name="rollNo" placeholder="RollNo" required />

    <input type="password" name="password" placeholder="Password" required />

    <button type="submit">Register</button>

  </form>

  <p>{{success}}</p>

  <p style="color: red">{{error}}</p>

  <a href="/login">Already have an account? Login</a>

</body>

</html>

```

app.py

```

from flask import Flask, render_template, request, redirect, url_for, session

import ibm_db

import bcrypt

```

```

conn =
ibm_db.connect("DATABASE=bludb;HOSTNAME=;PORT=;SECURITY=SSL;SSLServer
Certificate=DigiCertGlobalRootCA.crt;UID=;PWD=","")

# url_for('static', filename='style.css')

app = Flask(__name__)

app.secret_key = b'_5#y2L"F4Q8z\n\xec]/'

@app.route("/",methods=['GET'])

def home():

    if 'email' not in session:

        return redirect(url_for('login'))

    return render_template('home.html',name='Home')

@app.route("/register",methods=['GET','POST'])

def register():

    if request.method == 'POST':

        email = request.form['email']

        username = request.form['username']

        rollNo = request.form['rollNo']

        password = request.form['password']

        if not email or not username or not rollNo or not password:

            return render_template('register.html',error='Please fill all fields')

        hash=bcrypt.hashpw(password.encode('utf-8'),bcrypt.gensalt())

        query = "SELECT * FROM USER WHERE email=? OR rollNo=?"

        stmt = ibm_db.prepare(conn, query)

        ibm_db.bind_param(stmt,1,email)

        ibm_db.bind_param(stmt,2,rollNo)

        ibm_db.execute(stmt)

        isUser = ibm_db.fetch_assoc(stmt)

        if not isUser:

```

```
insert_sql = "INSERT INTO User(username,email,PASSWORD,rollNo) VALUES  
(?,?,?,?)"
```

```
    prep_stmt = ibm_db.prepare(conn, insert_sql)
```

```
    ibm_db.bind_param(prepare_stmt, 1, username)
```

```
    ibm_db.bind_param(prepare_stmt, 2, email)
```

```
    ibm_db.bind_param(prepare_stmt, 3, hash)
```

```
    ibm_db.bind_param(prepare_stmt, 4, rollNo)
```

```
    ibm_db.execute(prepare_stmt)
```

```
    return render_template('register.html',success="You can login")
```

```
else:
```

```
    return render_template('register.html',error='Invalid Credentials')
```

```
    return render_template('register.html',name='Home')
```

```
@app.route("/login",methods=['GET','POST'])
```

```
def login():
```

```
    if request.method == 'POST':
```

```
        email = request.form['email']
```

```
        password = request.form['password']
```

```
    if not email or not password:
```

```
        return render_template('login.html',error='Please fill all fields')
```

```
    query = "SELECT * FROM USER WHERE email=?"
```

```
    stmt = ibm_db.prepare(conn, query)
```

```
    ibm_db.bind_param(stmt,1,email)
```

```
    ibm_db.execute(stmt)
```

```
    isUser = ibm_db.fetch_assoc(stmt)
```

```
    print(isUser,password)
```

```
    if not isUser:
```

```
        return render_template('login.html',error='Invalid Credentials')
```

```
isPasswordMatch = bcrypt.checkpw(password.encode('utf-8'),isUser['PASSWORD'].encode('utf-8'))

if not isPasswordMatch:

    return render_template('login.html',error='Invalid Credentials')

    session['email'] = isUser['EMAIL']

    return redirect(url_for('home'))

return render_template('login.html',name='Home')

@app.route('/logout')

def logout():

    session.pop('email', None)

    return redirect(url_for('login'))
```