

Assignment -2

Assignment Date	29-09-2022
Student Name	SHALMAAN FAREES K
Role	Team Member 2
Student Roll Number	19BIT051
Maximum Marks	2 Marks
Team ID	PNT2022TMID18559

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

```
CREATE TABLE user(email,username,rollno,pswd);
INSERT INTO user (email,username,rollno,pswd) VALUES ('krish76@gmail.com', 'krish','41','123');
INSERT INTO user (email,username,rollno,pswd) VALUES ('mahe42@gmail.com', 'mahe','42','456');
INSERT INTO user (email,username,rollno,pswd) VALUES ('shal100@gmail.com', 'shalman','51','789');
INSERT INTO user (email,username,rollno,pswd) VALUES ('sri123@gmail.com', 'srihari','01','556');
```

2.Perform UPDATE,DELETE Queries with user table

```
UPDATE user SET username = 'raina' WHERE rollno = '01';
SELECT * FROM user
```

```
DELETE FROM user WHERE username = 'shalman';
SELECT * FROM user
```

3.Connect python code to db2.

```
pip install ibm_db
from ibm_db import connect
connection = connect('DATABASE=<database name>;'
                    'HOSTNAME=<database ip>;'
                    'PORT=<database port>;'
                    'PROTOCOL=TCPIP;'
                    'UID=<database username>;'
                    'PWD=<username password>;', "", "")
def results(command):
    from ibm_db import fetch_assoc
    ret = []
    result = fetch_assoc(command)
    while result:
        ret.append(result)
        result = fetch_assoc(command)
    return ret
from ibm_db import tables
t = results(tables(connection))
from ibm_db import exec_immediate
```

```
sql = 'LIST * FROM ' + t[170]['TABLE_NAME']
rows = results(exec_immediate(connection, sql))
```

4.Create a flask app with registration page, login page and welcome page. By default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password. If the user is valid show the welcome page

```
@app.route('/login', methods=['GET',
'POST'])
def login():
    error = None
    if request.method == 'POST':
        if request.form['username'] !=
'admin' or request.form['password'] !=
'admin':
            error = 'Invalid Credentials.
Please try again.'
        else:
            return redirect(url_for('home'))
    return render_template('login.html',
error=error)
```

login.html

```
<html>
<head>
    <title>Flask Intro - login
page</title>
    <meta name="viewport"
content="width=device-width, initial-
scale=1.0">
    <link href="static/bootstrap.min.css"
rel="stylesheet" media="screen">
</head>
<body>
    <div class="container">
        <h1>Please login</h1>
        <br>
        <form action="" method="post">
            <input type="text"
placeholder="Username"
name="username" value="{{
            request.form.username }}">
            <input type="password"
placeholder="Password"
name="password" value="{{
            request.form.password }}">
            <input class="btn btn-default"
type="submit" value="Login">
        </form>
        {% if error %}
        <p
class="error"><strong>Error:</strong>
        {{ error }}
        {% endif %}
    </div>
</body>
</html>
```