Assignment – 2

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Aim:

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

2. Perform UPDATE, DELETE Queries with user table.

3. Connect python code to db2.

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.

Source Code:

index.html

```
<html>
    <body >
        <form action="/login" method="post" autocomplete="on">
<h3><b><i>Login</i></b></h3>
            <label for="name"><b><i>Name</i></b></label>
            <input type="name" name="name" required>
            <label for="phone"><b><i>Phone</i></b></label>
            <input type="phone" name="phone" required>
            <button>Log In</button>
            <p><span ><a href="/">Register</a></span></p>
```

```html
            <p>Check status here:{{status}}</p>
        </form>
    </body>
</html>
```

signup.html

```html
<html>
    <body>
        <form action="/" method="post" autocomplete="on">
            <h3><b><i>Register</i></b></h3>
                <label for="name"><b><i>Name</i></b></label>
                <input type="text" name="name" required>
                <label for="email"><b><i>Email</i></b></label>
                <input type="email" name="email" required>
                <label for="phone"><b><i>Phone</i></b></label>
                <input type="number" name="phone" required>
                <button>Register</button><pre></pre><a href="/login">Login</a>
                <p>Check status here:{{status}}</p>
        </form>
    </body>
</html>
```

main.py

```python
from flask import *
import sqlite3


conn = sqlite3.connect('form.db', check_same_thread=False)
```

```python
app=Flask(__name__)
@app.route("/", methods=['GET','POST'])
def signup():
    if request.method=='GET':
        return render_template("signup.html",status="")
    elif request.method=='POST':
        username=request.form["name"]
        email=request.form["email"]
        phone=request.form["phone"]
        cursor=conn.execute("select * from users")
        for i in cursor:
            if(i[0]==username):
                return render_template('index.html',status="User Name already exists,,Login")
        if(conn.execute("insert into users values(?,?,?)",(username,email,phone))):
            conn.commit()
            return render_template('signup.html',status="Registration success")


        conn.commit()
        # if(conn.execute("insert into users values(?,?,?)",(username,email,phone))):
        #     return render_template('signup.html',email=email,status="Registration Success")
        # if(success){
        #     return render_template('signup.html',email=email,status="Registration Success")
        # }
        return render_template('signup.html',status="Registration failed")



@app.route("/login", methods=['GET','POST'])
def login():
    if request.method=='GET':
        return render_template("index.html")
```
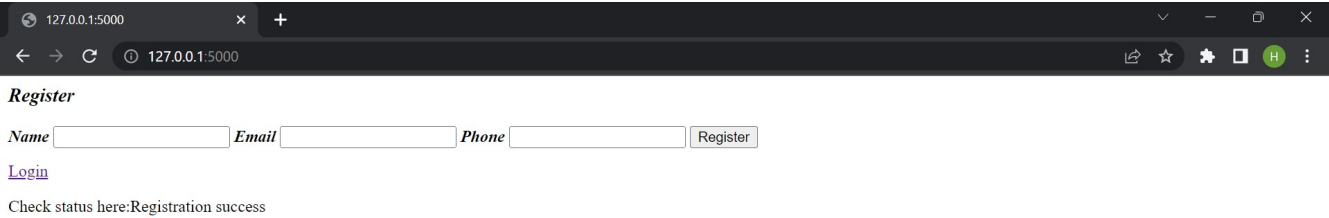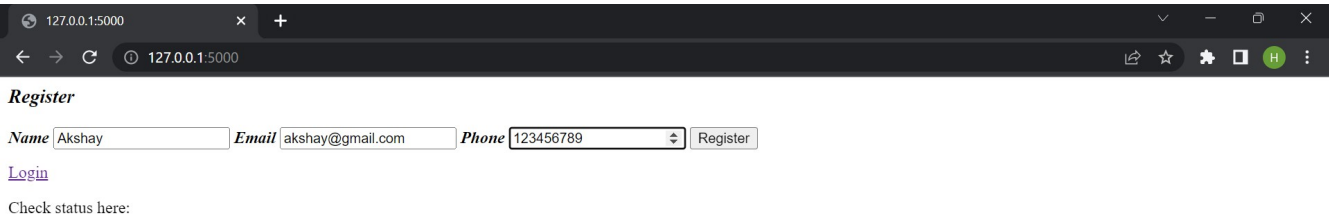
```python
    elif request.method=='POST':
        name=request.form["name"]
        phone=request.form["phone"]
        cursor=conn.execute("select * from users")
        flag=1
        for i in cursor:
            if(i[0]==name):
                flag=1
                break
        if(flag==0):
            return render_template('signup.html',status="User Name does not exists,,Signup")
        cursor=conn.execute("select * from users")
        for i in cursor:
            if(i[0]==name and i[2]!=phone):
                conn.commit()
                return render_template('index.html',status="User name or password incorrect,,retry")
        conn.commit()
        return render_template('index.html',status="Login success")

if __name__=="__main__":
    app.run()
```
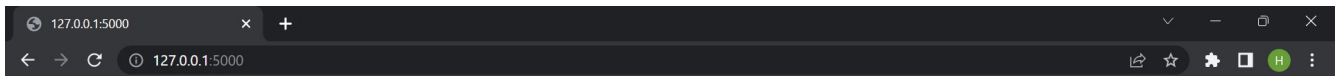
Register

Name Akshay   *Email* akshay@gmail.com   *Phone* 123456789 ⇕   Register

[Login](#)

Check status here:Registration success

Login

Name [_____]   *Phone* [_____]   Log In

[Register](#)

Check status here:User Name already exists,,Login

Login

Name Akshay *Phone* 123456789 Log In
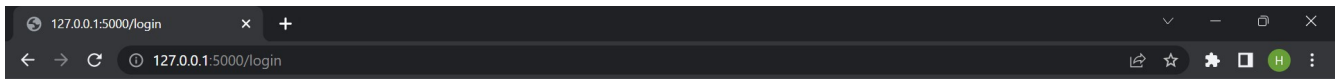
Register

Check status here:
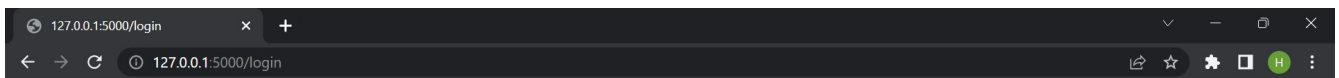
Login

Name *Phone* Log In

Register

Check status here:Login success