ASSIGNMENT – 2

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Batch B1A3E-07

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.

Code:
Main.py

```python
from flask import *
import sqlite3


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


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")
```

```python
        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")
    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()
```

Index.html

```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><br><br>
                    <label for="phone"><b><i>Phone</i></b></label>
                    <input type="phone" name="phone" required><br><br>
                    <button>Log In</button>
                    <p><span ><a href="/">Register</a></span></p>
                    <p>{{status}}</p>
        </form>
    </body>
</html>
```
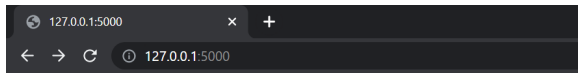
Signup.html

```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></br></br>
                    <label for="email"><b><i>Email</i></b></label>
                    <input type="email" name="email" required></br></br>
                    <label for="phone"><b><i>Phone</i></b></label>
                    <input type="number" name="phone" required></br></br>
                    <button>Register</button>
                    <p><span><a
href="/login">Login</a></span></p></br></br>
                    <p>{{status}}</p>
        </form>
    </body>
</html>
```
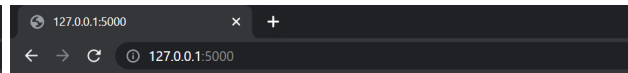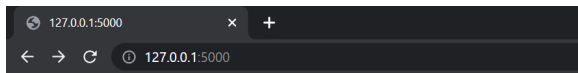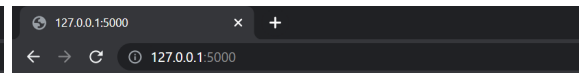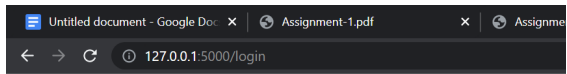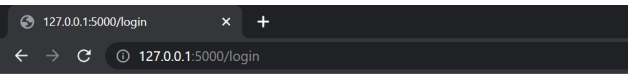
Output:

Register

Name Hemanent S

Email hemanenthawk@gmail.com

Phone 9876543210

Register

Login

Register

Name

Email

Phone

Register

Login

Registration success

Register

Name Hemanent S

Email hemanenthawk@gmail.com

Phone 9876543210

Register

Login

Login

Name

Phone

Log In

Register

User Name already exists,,Login

Login

Name Hemanent S

Phone 9876543210

Log In

Register

Login

Name

Phone

Log In

Register

Login success