IBM Assignment -2

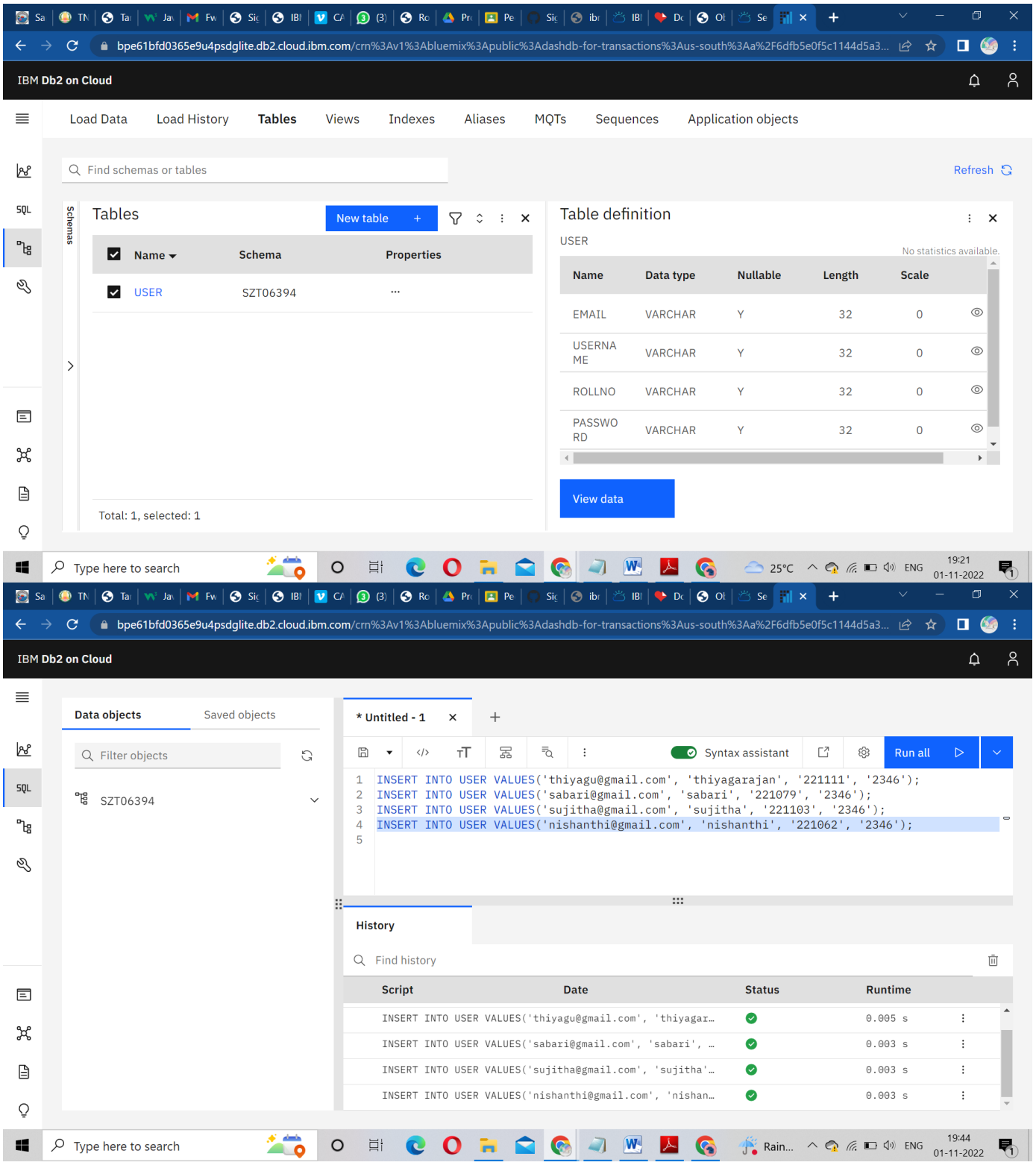
Project Title : Personal Expense Tracker Application

Team ID : PNT2022TMID32657

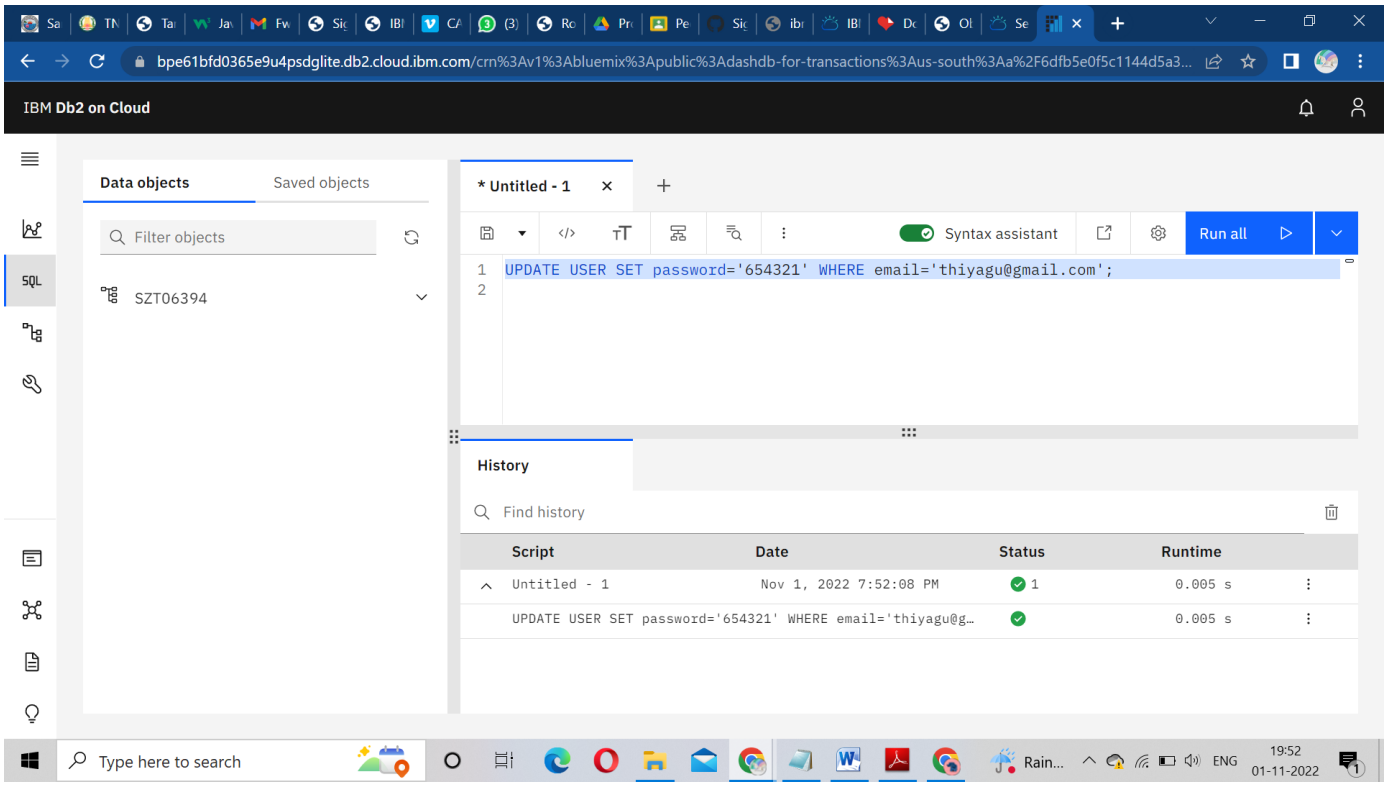
Name: Nishanthi.R

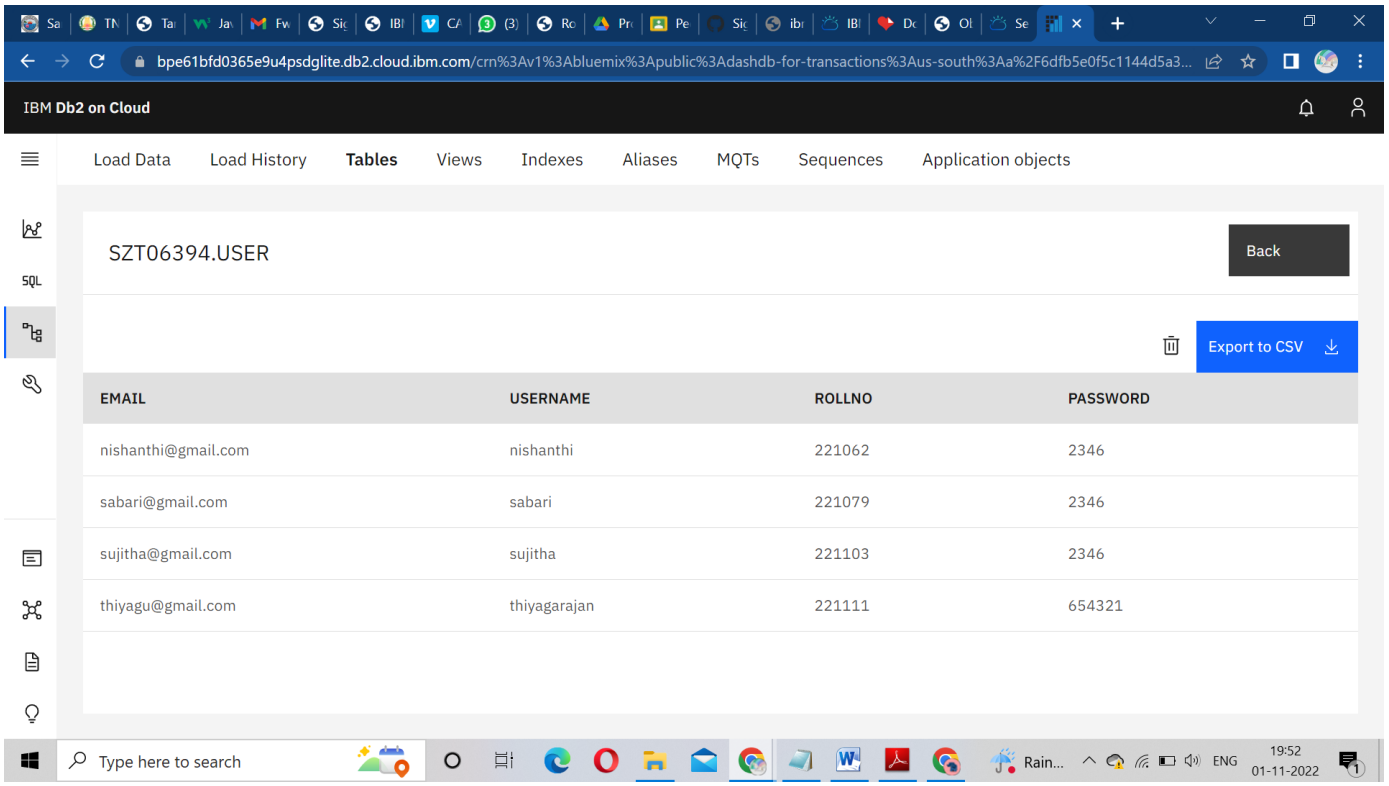
Registration No : 813819104062

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

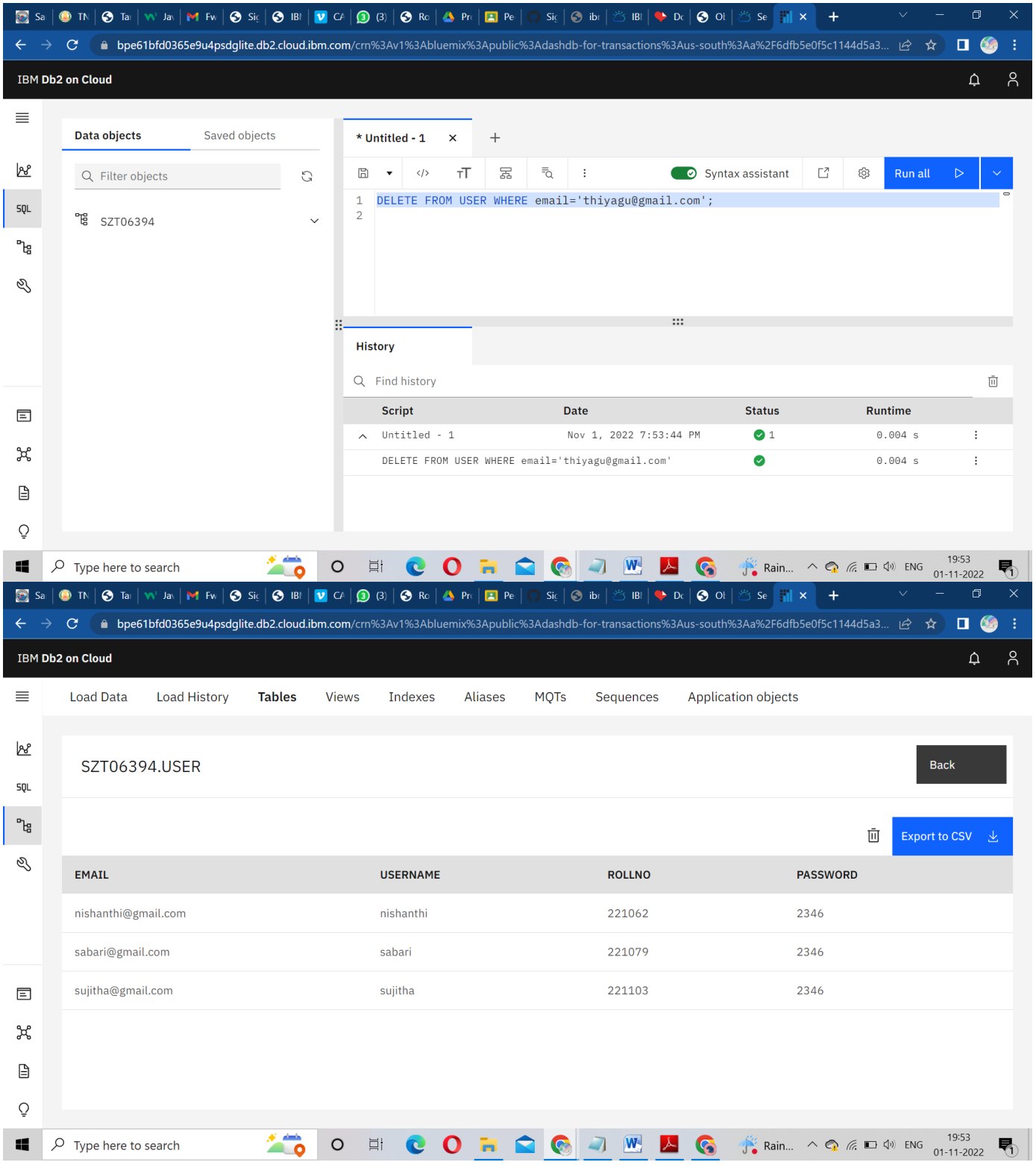


2) A) Perform UPDATE Query with user table





B) Perform DELETE Query with user table



3) Connect python code to db2.

Connect.py

```
import ibm_db

def get_db_connection():
    try:
        conn = ibm_db.connect("DATABASE=BLUDB;\
            HOSTNAME=<hostname>;\
            PORT=30376;\
            Security=SSL;\
            SSLServerCertificate=DigiCertGlobalRootCA.crt;\
            UID=<username>;\
            PWD=<password>;","","")
        print("Connected to DB")
        return conn
    except:
        print("error while connecting ",ibm_db.conn_errormsg())
        return 0
```

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 with username and password. If the user is valid show the welcome page

App.py

```
from flask import Flask,render_template,request,session,redirect,url_for
import ibm_db
from connect import get_db_connection

app = Flask(_name_)
app.secret_key = 'abcde'
con = 0

@app.route('/')
@app.route("/register", methods=['GET','POST'])
def register():
    if(request.method == 'GET'):
        if 'auth' in session:
            if session['auth']:
                return redirect(url_for('home'))
        return render_template("register_2.html")
    elif(request.method == 'POST'):
        name = request.form['username']
        email = request.form['email']
```

```
        password = request.form['password']
        rollno = request.form['rollno']
        # TODO: check if account already exist
        qry = "INSERT INTO USER VALUES(?,?,?,?)"
        stmt = ibm_db.prepare(con,qry)
        ibm_db.bind_param(stmt,1,email)
        ibm_db.bind_param(stmt,2,name)
        ibm_db.bind_param(stmt,3,rollno)
        ibm_db.bind_param(stmt,4,password)

        ibm_db.execute(stmt)
        return redirect(url_for('login'))
    else:
        return "404 not found"

@app.route('/login', methods=['GET', 'POST'])
def login():
    if(request.method == 'GET'):
        if 'auth' in session:
            if session['auth']:
                return redirect(url_for('home'))
        return render_template("login.html")
    elif(request.method == 'POST'):
        email=request.form['email']
        password=request.form['password']
        sql="SELECT * FROM USER WHERE email=? AND password=?"
        stmt=ibm_db.prepare(con,sql)
        ibm_db.bind_param(stmt,1,email)
        ibm_db.bind_param(stmt,2,password)
        ibm_db.execute(stmt)
        resp=ibm_db.fetch_assoc(stmt)
        print("resp - ",resp)
        if resp:
            session['auth'] = True
            session['email'] = email
            session['name'] = resp['USERNAME']
            # session['rollno'] = rollno

            return redirect(url_for('home'))
        else:
            return redirect(url_for('login'))
    else:
        return "404 not found"

@app.route('/home')
def home():
    if 'auth' in session:
        if not session['auth']:
```

```
            return redirect(url_for('login'))
    return render_template("home.html")

@app.route('/logout')
def logout():
    session.pop('email',None)
    session.pop('name',None)
    session['auth'] = False
    return redirect(url_for('login'))

if(__name__=="__main__"):
    con = get_db_connection()
    app.run(debug=True)
```

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>Home</title>
    <link rel="stylesheet" href="{{url_for('static', filename =
'style2.css')}}">
</head>
<body>
    <nav class="navbar">
        <h1 class="logo">MyMoney</h1>
        <ul class="nav-ul">
            <li class="nav-li"><a href="/logout">Logout</a></li>
        </ul>
    </nav>
    <div class="container">
        <h1 class="head">Welcome {{session['name']}} !!!</h1>
    </div>
</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">
```

```
    <link rel="stylesheet" href="{{url_for('static', filename =
'style2.css')}}">
    <title>Register</title>
</head>
<body>
    <nav class="navbar">
        <h1 class="logo">MyMoney</h1>
        <ul class="nav-ul">
            <li class="nav-li"><a href="/login">Login</a></li>
        </ul>
    </nav>
    <div class="container">
            <h1 class="head">Register for a New Account</h1>
            <form action="/register" method="post" class="register">
                <label for="name">UserName</label>
                <input type="text" name="username" class="inp">

                <label for="name">Rollno</label>
                <input type="text" name="rollno" class="inp">

                <label for="email">Email</label>
                <input type="email" name="email" class="inp">

                <label for="password">Password</label>
                <input type="password" name="password" class="inp">

                <input type="submit" value="Register" class="inp-btn">

            </form>
    </div>
</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">
    <link rel="stylesheet" href="{{url_for('static', filename =
'style2.css')}}">
    <title>Register</title>
</head>
<body>
    <nav class="navbar">
        <h1 class="logo">MyMoney</h1>
```

```
        <ul class="nav-ul">
            <li class="nav-li"><a href="/register">Register</a></li>
        </ul>
    </nav>
    <div class="container">
            <h1 class="head">Login to your Account</h1>
            <form action="/login" method="post" class="register">

                <label for="email">Email</label>
                <input type="email" name="email" class="inp">

                <label for="password">Password</label>
                <input type="password" name="password" class="inp">

                <input type="submit" value="Login" class="inp-btn">

            </form>
    </div>
</body>
</html>
```

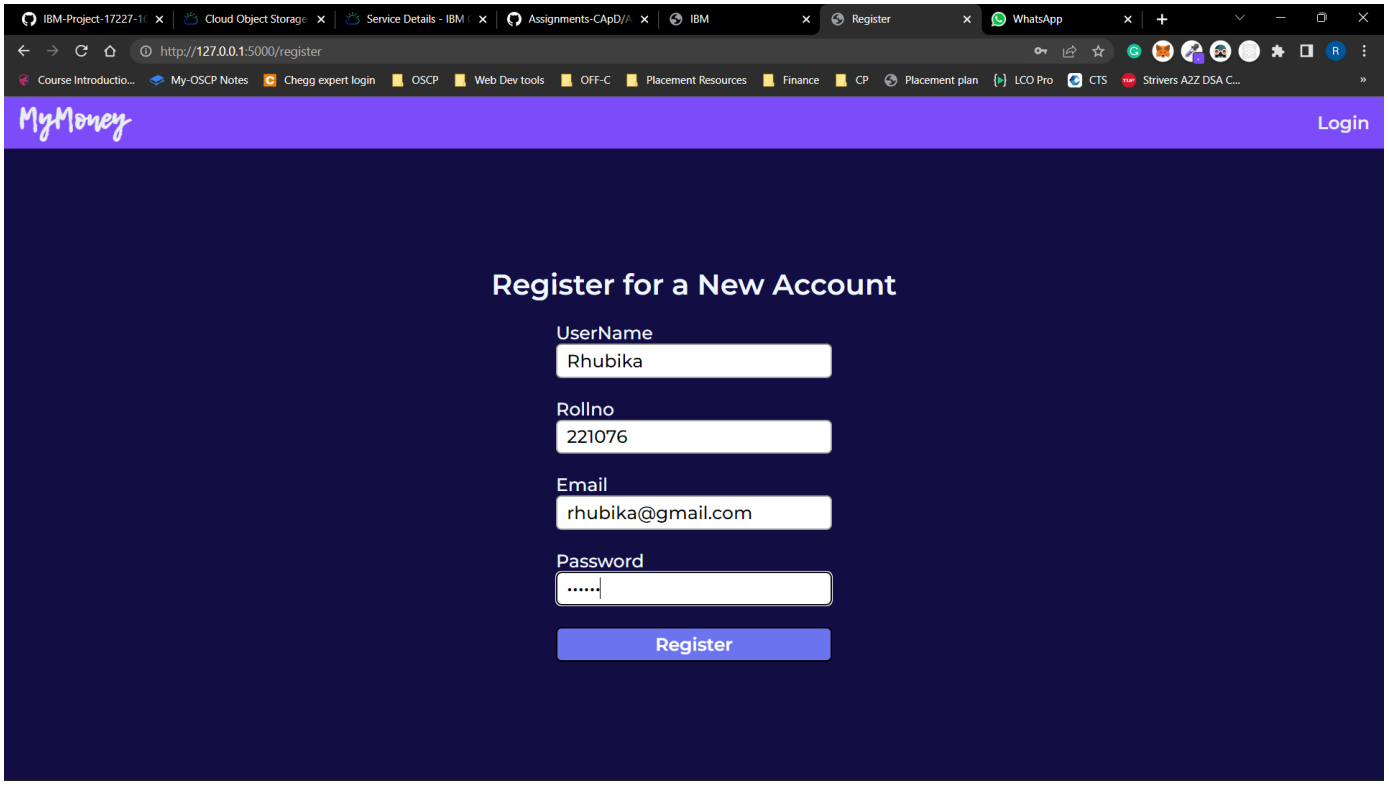
Style2.css

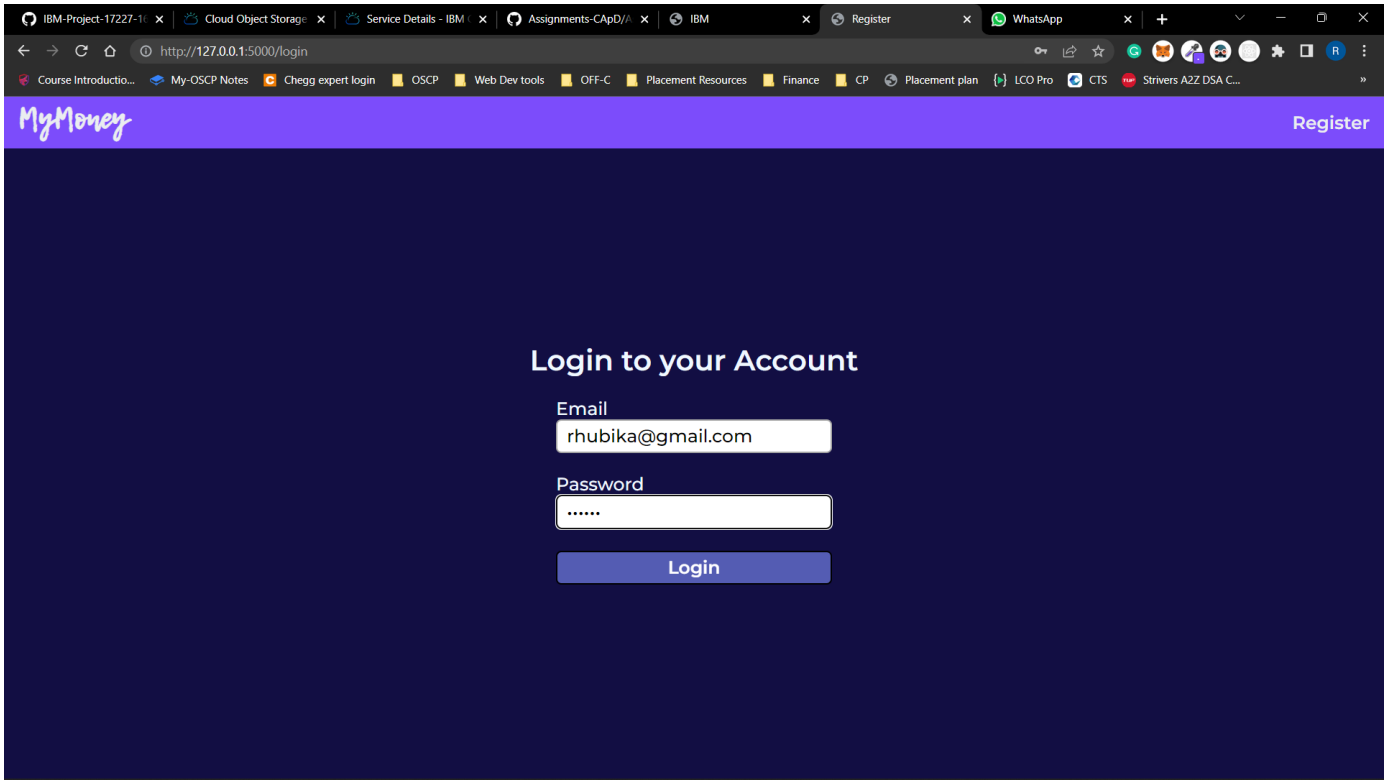
```
@import
url('https://fonts.googleapis.com/css2?family=Montserrat:wght@400;500;600&disp
lay=swap');
@import url('http://fonts.cdnfonts.com/css/lemon-tuesday');
*{
    margin: 0%;
    padding: 0%;
    box-sizing: border-box;
    font-family: 'Montserrat', sans-serif;
}

.navbar{
    display: flex;
    flex-direction: row;
    justify-content: space-between;
    align-items: center;
    /* background-color: #6c73ee; */
    background-color: #7C4CFB;
    color: rgb(234, 237, 240);
}
.nav-ul{
    display: flex;
    flex-direction: row;
    list-style: none;
}
```

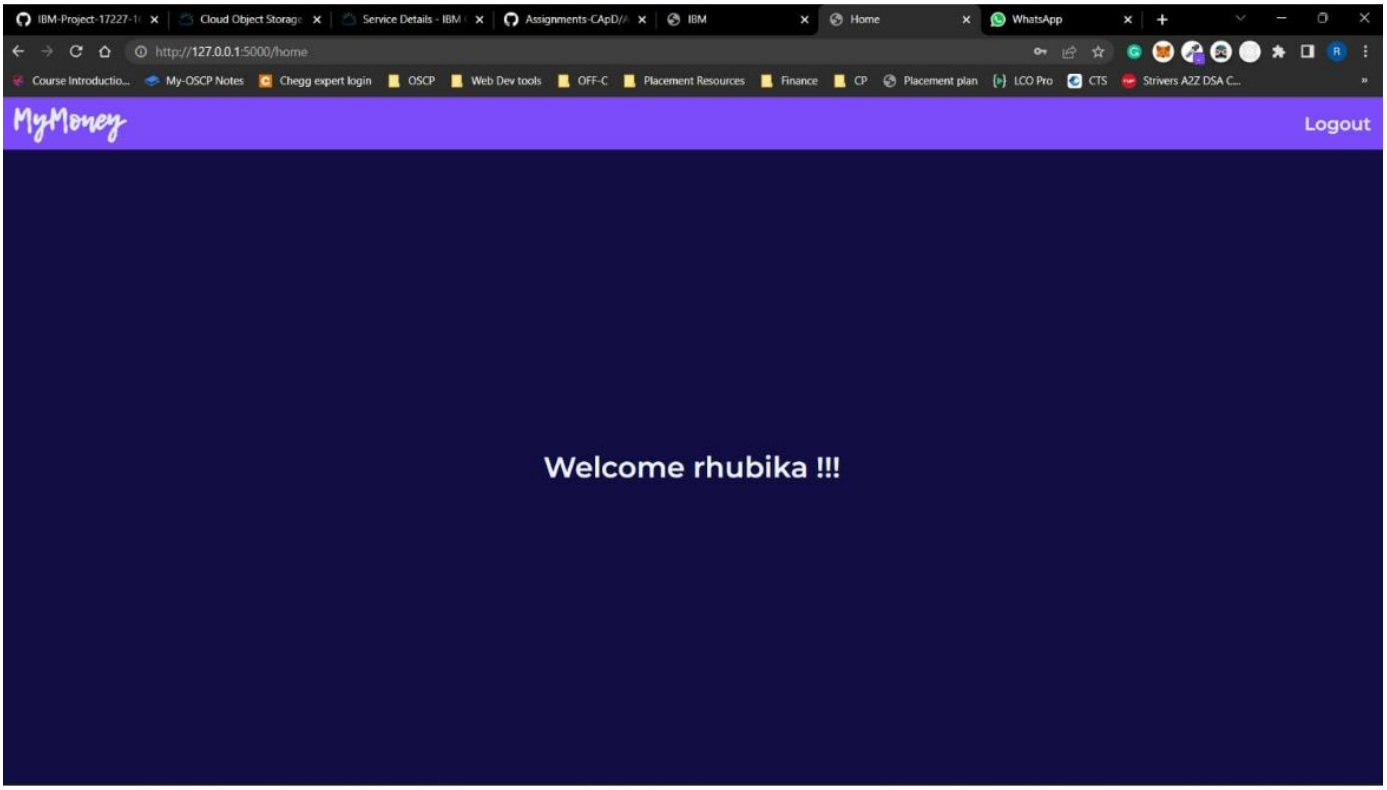
```css
.nav-li{
    padding: 1rem;
    font-weight: bold;
    font-size: 20px;
}

.nav-li:hover{
    /* background-color: #545CB3; */
    background-color: #9900FF;
    cursor: pointer;
}

.logo{
    font-family: 'Lemon Tuesday', sans-serif;
    font-size: 2rem;
    padding-left: 1rem;
    padding-bottom: 0.6rem;
}

.container{
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
}
.center{
    display: flex;
    flex-direction: column;
    justify-content: center;
    align-items: center;
    height: 92vh;
}

.left{
    display: flex;
    flex-direction: column;
    align-items: flex-end;
    height: 92vh;
    overflow: hidden;
}

.right{
    display: flex;
    flex-direction: column;
    align-items: flex-end;
    height: 92vh;
    overflow: hidden;
}
```

```css
.img-div-right{
    height: 100vh;
    margin-top: 13.5rem;
}

.img-div-left{
    height: 100vh;
    margin-top: 15.5rem;
}
.register{
    display: flex;
    flex-direction: column;
}
label{
    margin-top: 20px;
    font-size: 20px;
    font-weight: 600;
}

.inp{
    width: 20vw;
    height: 5vh;
    border: 2px solid #120E43;
    border-radius: 6px;
}

.inp-btn{
    margin-top: 15px;
    width: 20vw;
    height: 5vh;
    background-color: #6c73ee;
    color: #ffffff;
    font-size: 20px;
    font-weight: 600;
    border-radius: 6px;
}
.inp-btn:hover{
    background-color: #545CB3;
    cursor: grab;
}

.head{
    color: black;
}
.company{
    color: #ffffff;
    margin-bottom: 15vh;
}
```

```css
.main-img-left{
    transform: scale(0.90, 0.90);
}

.main-img-right{
    transform: scale(0.80, 0.80);
}
```






IBM-Project-17227-1
Cloud Object Storage
Service Details - IBM
Assignments-CApD/
IBM
Home
WhatsApp
http://127.0.0.1:5000/home
Course Introductio...
My-OSCP Notes
Chegg expert login
OSCP
Web Dev tools
OFF-C
Placement Resources
Finance
CP
Placement plan
LCO Pro
CTS
Strivers A2Z DSA C...
MyMoney
Logout
Welcome rhubika !!!