Assignment-5

Student Name	Nithyashree K
Student Roll Number	6113191031062
Maximum Marks	

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

 INSERT INTO TABLENO6 VALUES ('nishanthchandru@gmail.com','Nishanth',73,'Nishanth2001'),
('bharathraj@gmail.com','Bharath',20,'Bharath2000'),
('praneshraja@gmail.com','Pranesh',80,'Praneshvarshini'),
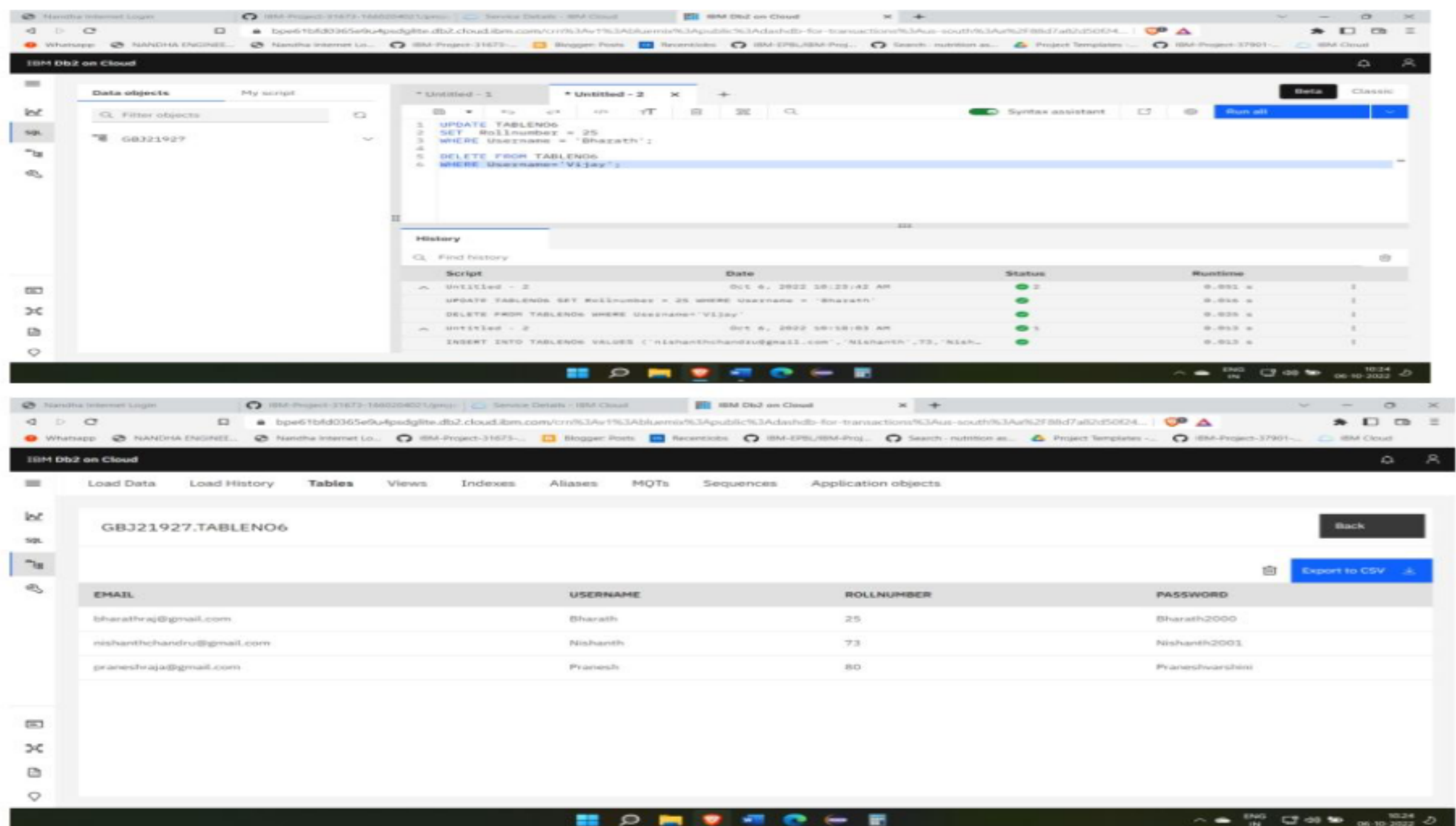('vijaykowsi@gmail.com','Vijay',113,'Vijay@2001');
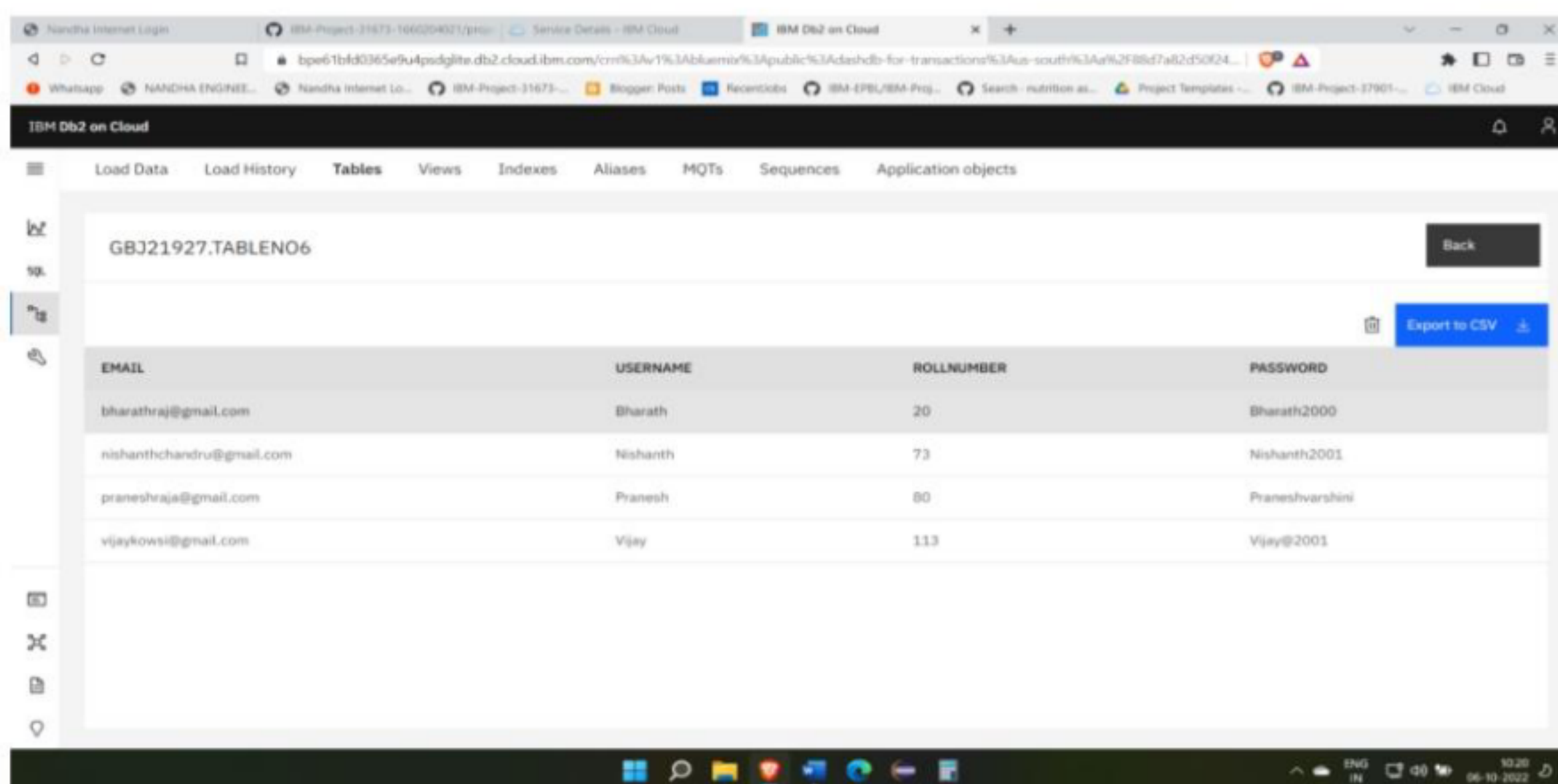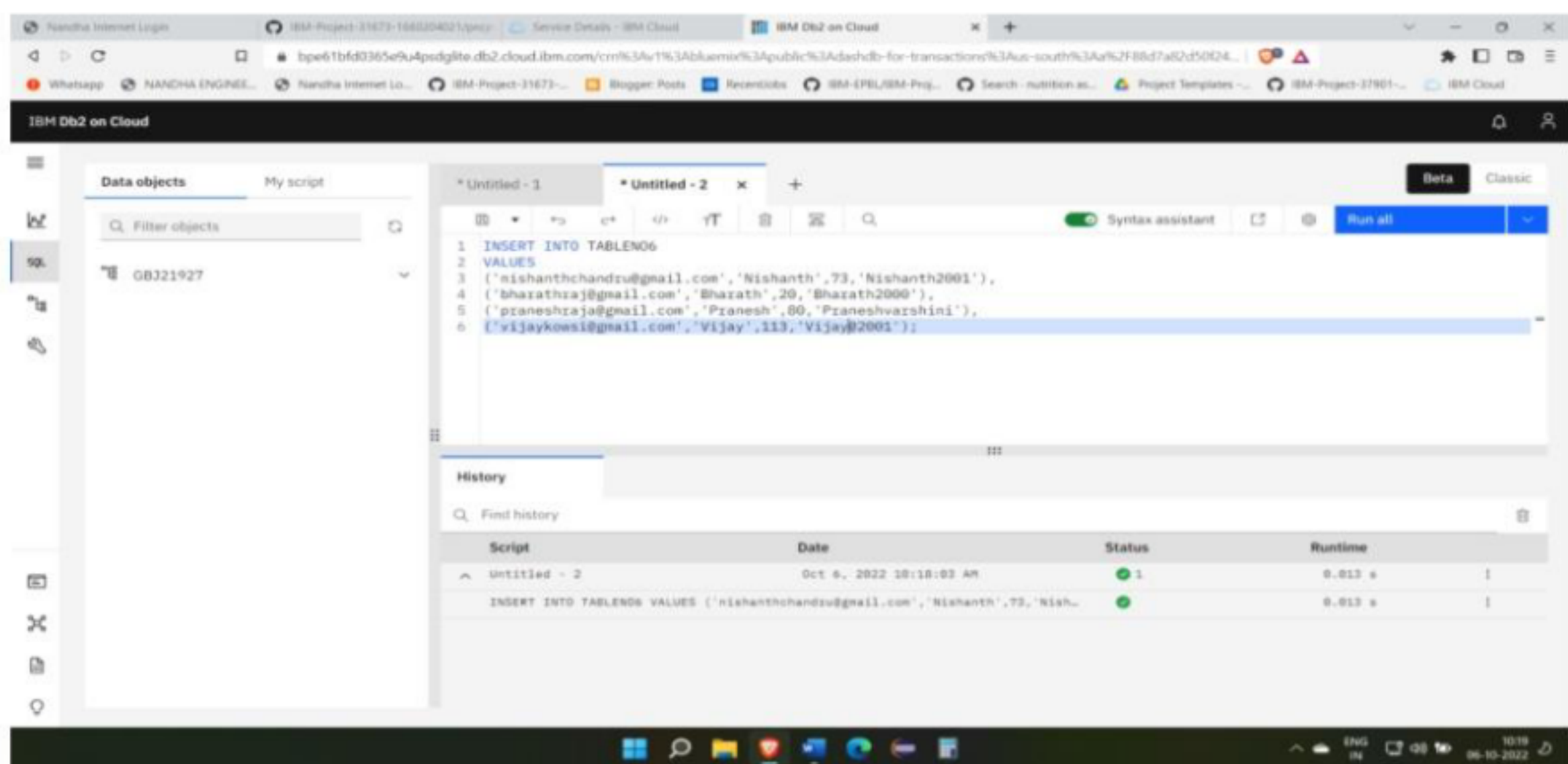
2.Perform UPDATE,DELETE Queries with user table.

UPDATE TABLENO6 S

ET Rollnumber = 25 WHERE Username = 'Bharath';

 DELETE FROM TABLENO6

 WHERE Username='Vijay';

3) CONNECT PYTHON TO DB2:

import ibm_db

 hostname = '2f3279a5-73d1-4859-88f0-a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud'

uid = 'gbj21927'

pwd = 'skRdfv9YUhrJjxeo'

driver = "{IBM DB2 ODBC DRIVER}"

db = 'bludb' port = '30756'

protocol = 'TCPIP'

cert = 'CRT1.crt'

dsn = ("DATABASE = {0};",

```python
"HOSTNAME = {1};",

 "PORT = {2};",

 "UID = {3};",

 "SECURITY = SSL;",

 "SSlServerCertificate = {4};",

 "PWD = {5};"

 ).format(db, hostname, port, uid, cert, pwd)

 print(dsn)

 try:

 db2 = ibm_db.connect(dsn, " ", " ")

print("connect to database")

 except:

print("unable to connect ", ibm_db.conn_errormsg())
```
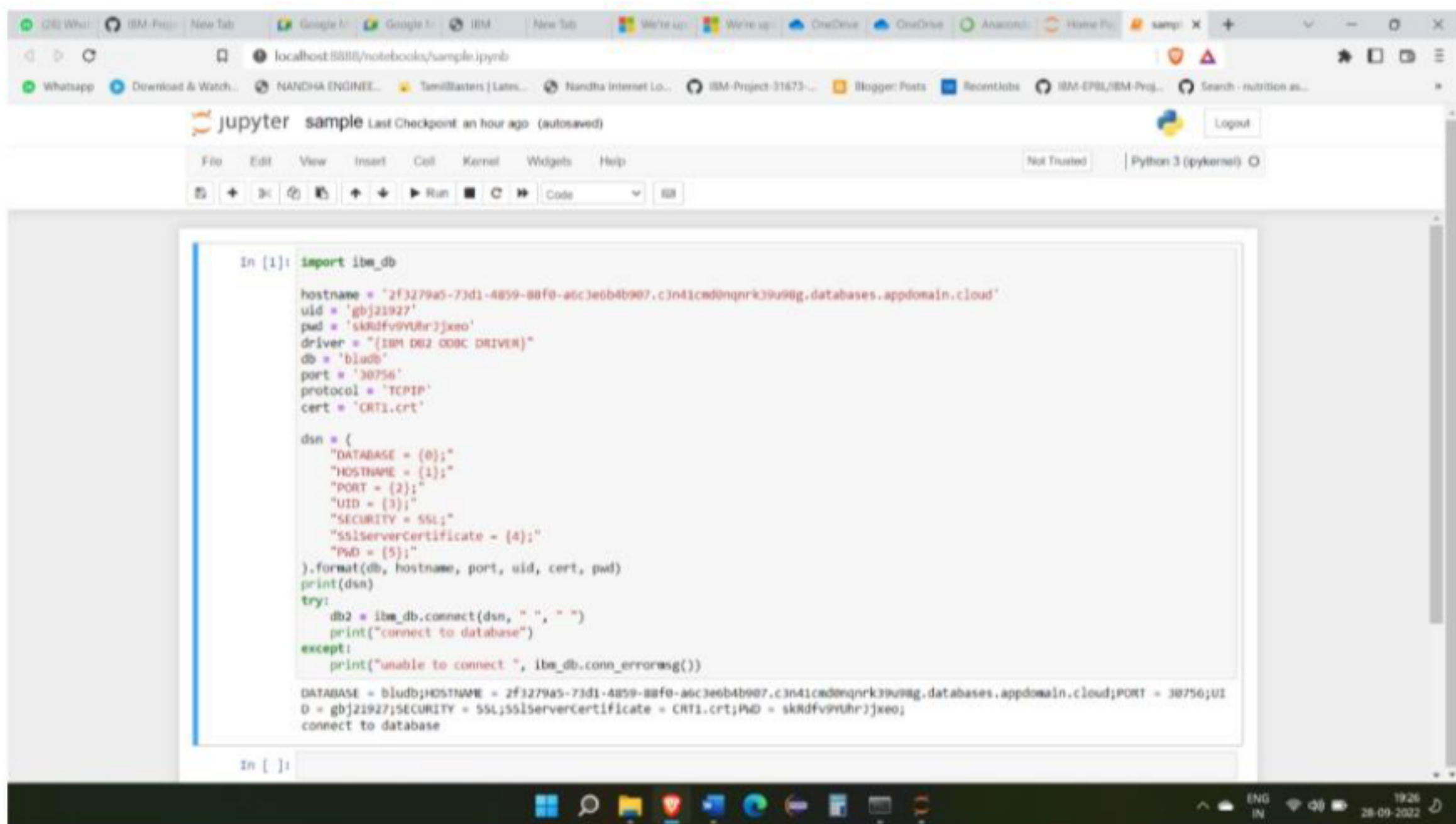

4)Create a flask Application

About.html

```html
<!DOCTYPE HTML>
<html lang=" en" >
<head>
```

```html
<meta charset="utf-8">

<meta name="viewport" content=width=device-width,initia-scale=1>

<title>About page</title>

<link href="https://cdn.jsdelivr.net.npm/bootstrap@5.0.0-beta2/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body>

<nav class="navbar-expand-lg bg-light" style="background-color:#b5dbf7;">

<!— Navbar content -->

<div class="container-fulid">

<div class="collapse navbar-collapse" id="navbarNavAltMarkup">

<div class="navbar-nav">

<a class="nav-link" href="home.html">Home</a>

<a class="nav-link active" aria-current="page" href="#">About</a>

<a class="nav-link" href="signin.html">Sign In</a>

<a class="nav-link" href="signup.html">Sign Up</a>

</div>

</div>

</div>

</nav>

<br><br>

<footer>

International Business Machines Corporation is an American multinational technology corporation headquartered in Armonk, New York, with operations in over 171 countries.

</footer>

</body>
```

```html
<html>
```

Home.html

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

<head>
    <meta charset="UTF-8">
    <title>Home</title>
    <link rel="stylesheet" href="{{url_for('static',filename='css/bootstrap.min.css')}}">
    <script src="{{url_for('static',filename='js/jquery.min.js')}}"></script>

</head>

<body>
    <nav class="navbar navbar-expand-md bg-success shadow">
        <a class="navbar-brand text-white" href="/">SKILLS AND JOB RECOMMENDATION</a>
        <div class="collapse navbar-collapse" id="navbarNav">
            <ul class="navbar-nav ml-auto">
                <li class="nav-item">
                    <a class="nav-link text-white" href="/">Home <span class="sr-only"></span></a>
                </li>
                <li class="nav-item">
                    <a class="nav-link text-white" href="{{url_for('about')}}">About</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link text-white" href="{{url_for('signup')}}">Signup</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link text-white" href="{{url_for('signin')}}">Signin</a>
```

```html
        </li>
      </ul>
    </div>
  </nav>
  <section class="body">

    <div class="row m-0 py-5 py-lg-0">

      <div class="col-md-6 align-self-center pl-5" data-aos="fade-up-right">
        <h1>SKILLS JOB RECOMMENDATION</h1>
        <a class="btn btn-primary mt-3" href="{{url_for('signup')}}"> Start</a>
        <img class="img-fluid. max-width:100%" src="img.jpg">
      </div>
    </div>
  </section>
</body>

</html>
```

Signin.html

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

<head>
  <meta charset="UTF-8">
  <title>SignIn</title>
  <link rel="stylesheet" href="{{url_for('static',filename='css/bootstrap.min.css')}}">
  <script src="{{url_for('static',filename='js/jquery.min.js')}}"></script>
</head>
```

```html
<body>
    <nav class="navbar navbar-expand-md bg-success shadow">
        <a class="navbar-brand text-white" href="/">skills and job recommendation</a>
    </nav>
    <div class="container" style="margin-top:100px">
        <div class="col-md-offset-3 col-md-4">
            <form action="/signin" method="post" autocomplete="off">

                <h3 class="page-header text-primary">SIGN IN</h3>
                {% with messages = get_flashed_messages(with_categories=true) %}
                {% if messages %}
                {% for category,message in messages %}
                <div class="alert alert-{{category}}">{{message}}</div>
                {% endfor %}
                {% endif %}
                {% endwith %}
                <div class="form-group">
                    <label>Email</label>
                    <input type="email" name="email" class="form-control" required>
                </div>
                <div class="form-group">
                    <label>Password</label>
                    <input type="password" name="password" class="form-control" required>
                </div>
                <div class="btn">
                    <input type="submit" value="Signin" class="btn btn-success">
                </div>

            </form>
```

```
      </div>
    </div>


    <script>
      $(document).ready(function () {
        $(".alert").hide(5000)
      });
    </script>


</body>


</html>
```

Signup.html

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


<head>
    <meta charset="UTF-8">
    <title>SignUp</title>
    <link rel="stylesheet" href="{{url_for('static',filename='css/bootstrap.min.css')}}">
    <script src="{{url_for('static',filename='js/jquery.min.js')}}"></script>
</head>


<body>
    <nav class="navbar navbar-expand-md bg-success shadow">
        <a class="navbar-brand text-white" href="/">skills and job recommendation</a>
    </nav>
    <div class="container" style="margin-top:100px">
        <div class="col-md-offset-5 col-md-4">
```

```html
<form action="/signup" method="post" autocomplete="off">

    <h3 class="page-header text-primary">SIGN UP</h3>
    <div class="form-group">
        <label>Name</label>
        <input type="text" name="name" placeholder="Enter your Name" class="form-control" required>
    </div>
    <div class="form-group">
        <label>Email</label>
        <input type="email" name="email" placeholder="Enter your Email" class="form-control" required>
    </div>
    <div class="form-group">
        <label>Contact</label>
        <input type="text" name="contact" placeholder="Enter your contact" class="form-control" required>
    </div>
    <div class="form-group">
        <label>Password</label>
        <input type="password" name="password" placeholder="Create a password" class="form-control"
            required>
    </div>
    <div class="form-group">
        <label>Confirm-Password</label>
        <input type="password" name="password1" placeholder="Rewrite a password" class="form-control"
            required>
```

```html
            </div>
            <div class="form-group">
                <input type="submit" value="Signup" class="btn btn-success">
                <input type="reset" value="Clear" class="btn btn-danger">
            </div>
        </form>
        <p class="bottom text-center mt-3">Already exist of an account? <a class="bottom"
            href="{{url_for('signin')}}">Login here</a>
    </div>

  </div>
</body>

</html>
```

App.py

```python
from flask import Flask, render_template, flash, request, redirect, url_for, session
import sqlite3


app = Flask(__name__)
app.secret_key="123"


con=sqlite3.connect("database.db")
con.execute("create table if not exists users(pid integer primary key,name TEXT, email TEXT, contact TEXT, password TEXT)")
con.close()


@app.route('/')
def home():
  return render_template('HOME.html')
```

```python
@app.route('/PROFILE')
def profile():
    return render_template('PROFILE.html')


@app.route('/about')
def about():
    return render_template('about.html')



@app.route('/signin',methods=["GET","POST"])
def signin():
    if request.method=='POST':
        email=request.form['email']
        password=request.form['password']
        con=sqlite3.connect("database.db")
        con.row_factory=sqlite3.Row
        cur=con.cursor()
        cur.execute("select * from users where email=? and password=?",(email,password))
        data=cur.fetchone()

        if data:
            session["name"]=data["name"]
            session["email"]=data["email"]
            session["password"]=data["password"]
            return redirect(url_for("profile"))
        else:
            flash("Username and Password Mismatch","danger")
            return redirect(url_for("home"))
```

```python
        return render_template('signin.html')


@app.route('/signup',methods = ['POST', 'GET'])
def signup():
    if request.method == 'POST':
        try:
            name = request.form['name']

            email = request.form['email']

            contact=request.form['contact']

            password = request.form['password']

            password1 = request.form['password1']

            if(password==password1):

                con=sqlite3.connect("database.db")

                cur = con.cursor()

                cur.execute("INSERT INTO users (name,email,contact,password) VALUES (?,?,?,?)",(name,email,contact,password))

                con.commit()

                flash("Register successfully","success")

            else:

                flash("Password Mismatch","danger")

        except:

            flash("Error","danger")


        finally:

            return redirect(url_for("signin"))

            con.close()
    return render_template('signup.html')


@app.route('/logout')
```

```python
def logout():
    session.clear()
    return redirect(url_for("home"))



if __name__ == '__main__':
    app.run(debug = True)
```