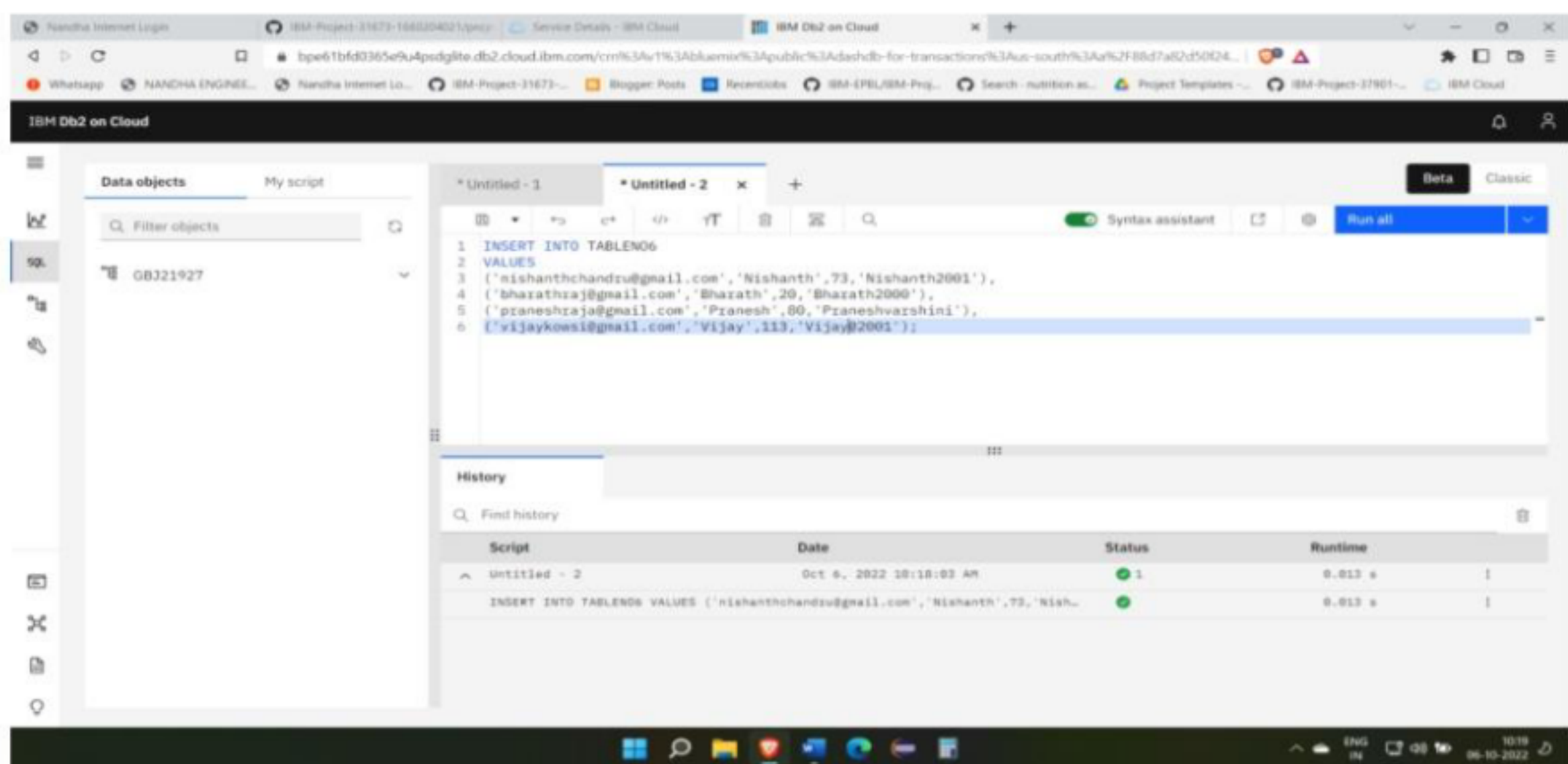


Assignment-5

Student Name	Kavitha M
Student Roll Number	6113191031048
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');
```



The screenshot shows the IBM Db2 on Cloud console interface displaying the data in the 'GBJ21927.TABLENO6' table. The table has four columns: EMAIL, USERNAME, ROLLNUMBER, and PASSWORD. The data is as follows:

EMAIL	USERNAME	ROLLNUMBER	PASSWORD
bharathraj@gmail.com	Bharath	20	Bharath2000
nishanthchandru@gmail.com	Nishanth	73	Nishanth2001
praneshraja@gmail.com	Pranesh	80	Praneshvarshini
vijaykowsi@gmail.com	Vijay	113	Vijay@2001

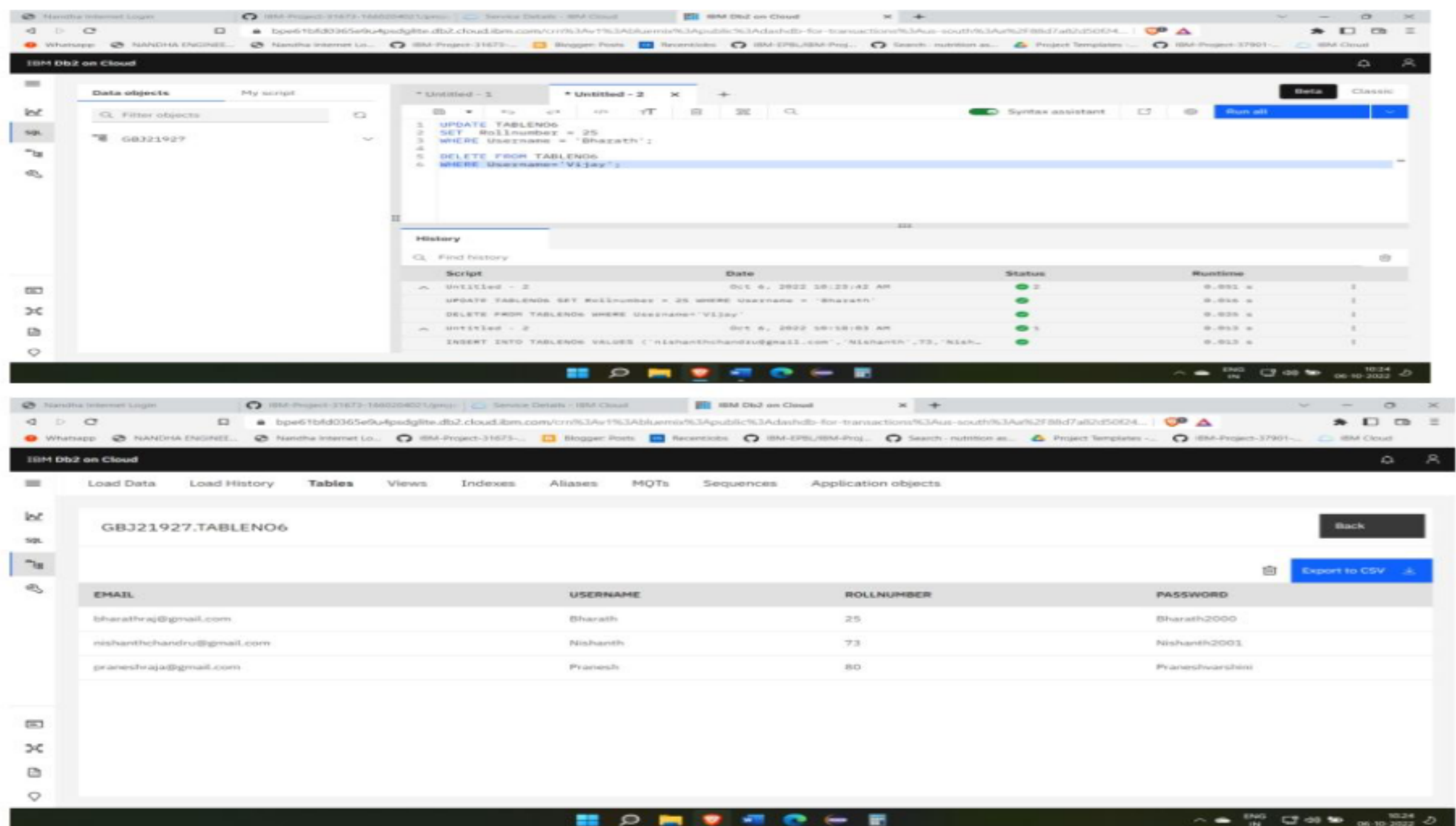
2.Perform UPDATE,DELETE Queries with user table.

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};",
```

```

"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())

```

```

In [1]: import ibm_db

hostname = '2f3279a5-73d1-4859-88fe-a6c3e0b4b907.c3n41cd0nqnrk39u98g.databases.appdomain.cloud'
uid = 'gbj21927'
pwd = 'skRdfv9YUhr7jXeo'
driver = '{IBM DB2 ODBC DRIVER}'
db = 'bludb'
port = '30756'
protocol = 'TCP/IP'
cert = 'CRT1.crt'

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

DATABASE = bludb;HOSTNAME = 2f3279a5-73d1-4859-88fe-a6c3e0b4b907.c3n41cd0nqnrk39u98g.databases.appdomain.cloud;PORT = 30756;UID = gbj21927;SECURITY = SSL;SSLServerCertificate = CRT1.crt;PWD = skRdfv9YUhr7jXeo;
connect to database

```

4)Create a flask Application **About.html**

```

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

```

```
<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-fluid" >

<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>
```

```
Home.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>
```

```

        </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>
            
        </div>
    </div>
</section>
</body>

</html>
Signin.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>

```

```
<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">

skills and job recommendation

</nav>

<div class="container" style="margin-top:100px">

<div class="col-md-offset-5 col-md-4">


```
<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>
```

```

        </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

```

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')

```

```
@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"))
```

```
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')
```

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

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