

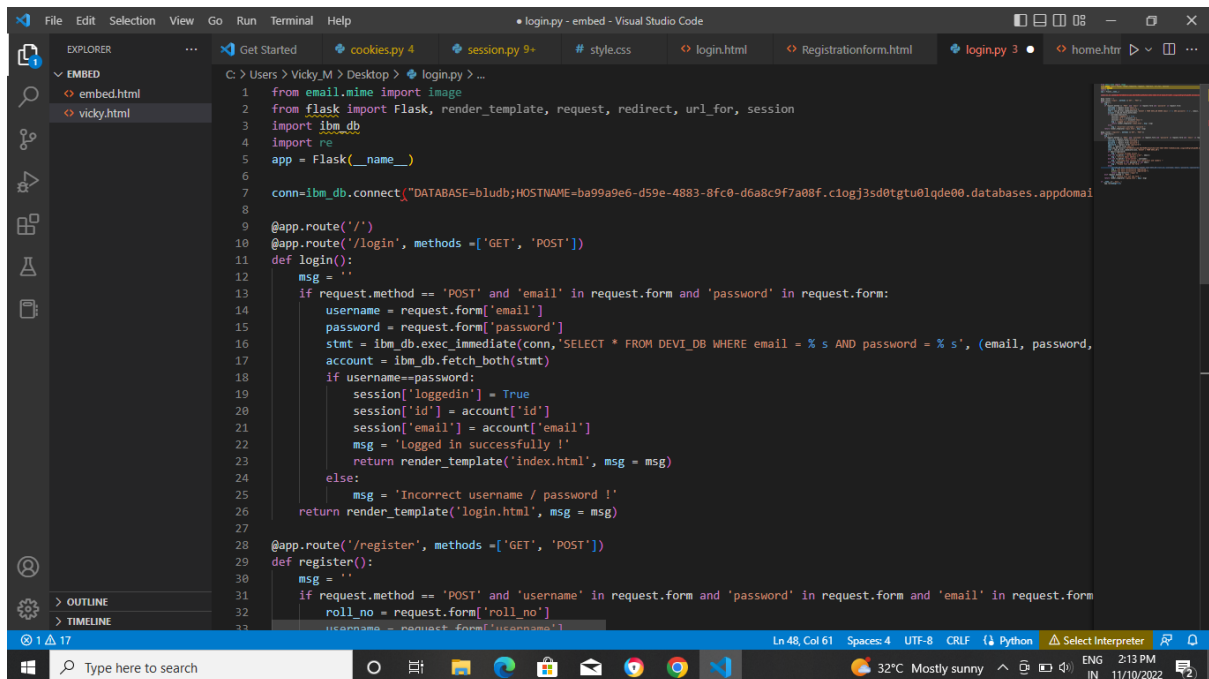
ASSIGNMENT -2

FLASK PROGRAM

Student Name	Devi T
Student Roll Number	731719205003
Maximum Marks	2 Marks

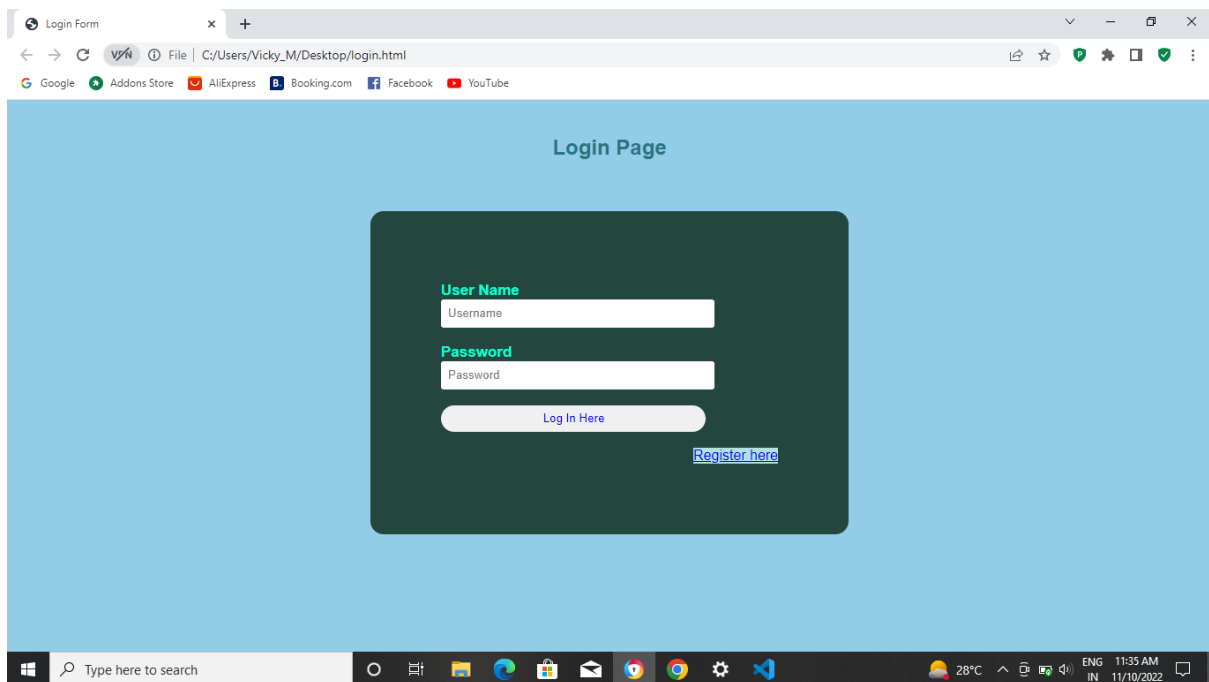
- 1) Write a Flask Program Which Should Display Name, Email, Phone and it Should Display the Same Once We Hit Submit.

CODE:



```
login.py - embed - Visual Studio Code
C:\Users\Vicky.M\Desktop> login.py > ...
1 from email.mime import image
2 from flask import Flask, render_template, request, redirect, url_for, session
3 import ibm_db
4 import re
5 app = Flask(__name__)
6
7 conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.clogj3sd0tgtu0lqde00.databases.appdomai
8
9 @app.route('/')
10 @app.route('/login', methods =['GET', 'POST'])
11 def login():
12     msg = ''
13     if request.method == 'POST' and 'email' in request.form and 'password' in request.form:
14         username = request.form['email']
15         password = request.form['password']
16         stmt = ibm_db.exec_immediate(conn,'SELECT * FROM DEVI_DB WHERE email = %s AND password = %s', (email, password,
17         account = ibm_db.fetch_both(stmt)
18         if username==password:
19             session['loggedin'] = True
20             session['id'] = account['id']
21             session['email'] = account['email']
22             msg = 'Logged in successfully !'
23             return render_template('index.html', msg = msg)
24         else:
25             msg = 'Incorrect username / password !'
26             return render_template('login.html', msg = msg)
27
28 @app.route('/register', methods =['GET', 'POST'])
29 def register():
30     msg = ''
31     if request.method == 'POST' and 'username' in request.form and 'password' in request.form and 'email' in request.form
32         roll_no = request.form['roll_no']
33         username = request.form['username']
```

```
File Edit Selection View Go Run Terminal Help login.py - Visual Studio Code
C:\Users\DELL\Downloads> login.py > register
24     else:
25         msg = 'Incorrect username / password !'
26         return render_template('login.html', msg = msg)
27
28 @app.route('/register', methods=['GET', 'POST'])
29 def register():
30     msg = ''
31     if request.method == 'POST' and 'username' in request.form and 'password' in request.form and 'email' in request.form and 'roll_no' in request.form :
32         roll_no = request.form['roll_no']
33         username = request.form['username']
34         password = request.form['password']
35         cpassword = request.form['cpassword']
36         email = request.form['email']
37         conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-46df-8954-7e38e612c2bd.c10g33sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32733;PROTOCOL=TCP;SECURITY=SSL;SSL_VERIFY_SERVER_CERT=1;SSL_KEY_SIZE=2048;SSL_CIPHER=TLS_AES_256_GCM_SHA384;SSL_CERT=IBM_DB_CLIENT_CERT.pem;SSL_KEY=IBM_DB_CLIENT_KEY.pem")
38         stmt = ibm_db.exec_immediate(conn,"SELECT * FROM JEEVITHA_DB")
39         if email==cpassword:
40             msg = 'Account already exists !'
41         elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
42             msg = 'Invalid email address !'
43         elif not re.match(r'[A-Za-z0-9]+', username):
44             msg = 'Username must contain only characters and numbers !'
45         elif not username or not password or not email:
46             msg = 'Please fill out the form !'
47         else:
48             sql=ibm_db.exec_immediate(conn,"INSERT INTO JEEVITHA_DB (roll_no, username, email, password, cpassword) VALUES (%s, %s, %s, %s, %s)")
49             msg = 'You have successfully registered !'
50             print('you have successfully registered!')
51             return redirect(url('/login'))
52     elif request.method == 'POST':
53         msg = 'Please fill out the form !'
54         return render_template('signup.html', msg = msg)
55
56 if __name__ == '__main__':
57     app.run(debug=True)
```



Browser tabs: Login Form, Registration Form, +

Address bar: C:/Users/Vicky_M/Desktop/Registrationform.html

Navigation: Google, Addons Store, AliExpress, Booking.com, Facebook, YouTube

REGISTRATION FORM

Username

Email

Password

Confirm Password

[Login here](#)



Browser tabs: Login Form, Registration Form, HOME PAGE, +

Address bar: C:/Users/Vicky_M/Desktop/home.html

Navigation: Google, Addons Store, AliExpress, Booking.com, Facebook, YouTube

WELCOME



IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

GHB71803.Devi T Back

Export to CSV

User Name	Roll Number	E-mail	PASSWORD	Confirm Password
devi	3	devi@gmail.com	12345	12345
jeevitha	19	jeevi@gmail.com	96753	96753
solaimathi	19	solai@gmail.com	98745	98745
vignesh	19	vignesh@gmail.com	98543	98543

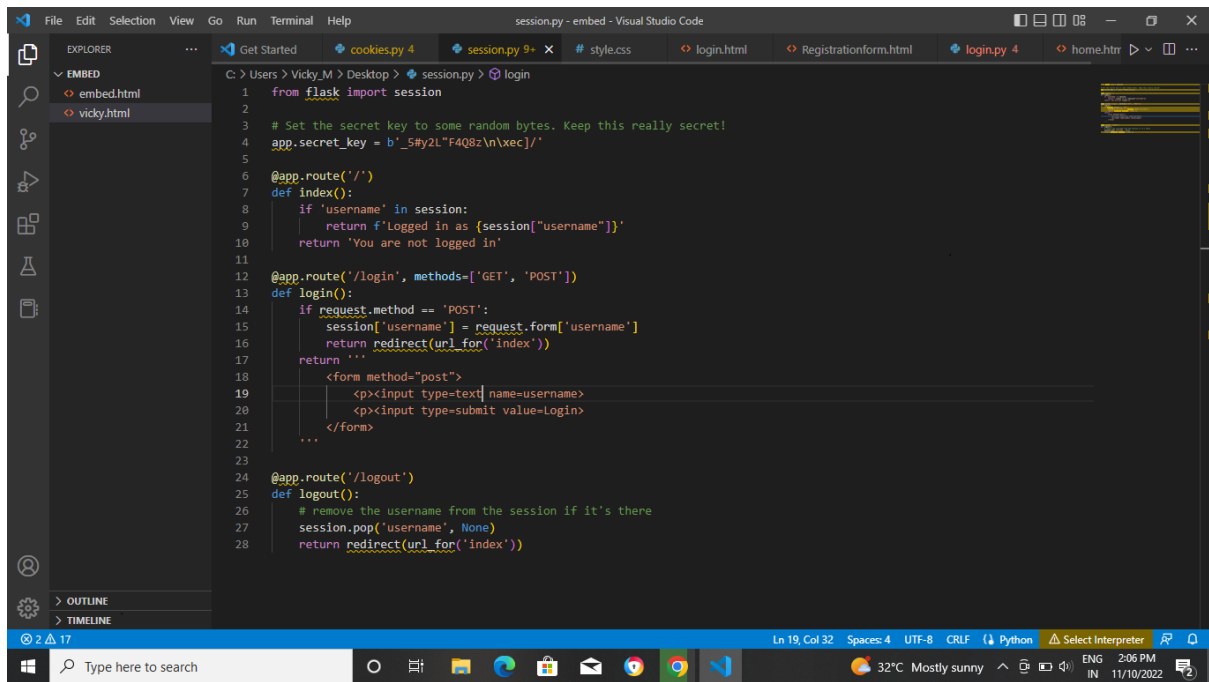
2) Write a Flask Program Which Should Cover Cookies, Sessions.

cookies.py - embed - Visual Studio Code

```

1 @app.route('/')
2 def index():
3     username = request.cookies.get('username')
4     def index():
5         resp = make_response(render_template(...))
6         resp.set_cookie('username', 'the username')
7         return resp

```



3) Write a Flask Program Which Should Display Resume Details Also have Upload Resume option by Using File Uploading.

```

4) <!DOCTYPE html>
5) <html>
6)     <head>
7)         <title>RESUME</title>
8)         <meta name="viewport" content="width=device-width,initial-
scale=1.0">
9)         <link rel="stylesheet" href="style5.css">
10)
11)     </head>
12)     <body>
13)
14)         <div class="wrapper">
15)             <div class="inner">
16)
17)                 <form style="justify-content: center;">
18)                     <center>
19)                         <h1>
20)                             <b>RESUME</b></h1>
21)                             FIRST NAME
22)                         <div class=""form-wrapper">
23)                             <input type="text" placeholder="User name"
class="form-control">
24)                         </div><br>
  
```

```

25)                LAST NAME
26)                <div class=""form-wrapper">
27)                  <input type="text" placeholder="User name"
class="form-control">
28)                </div><br>
29)                EMAIL
30)                <div class=""form-wrapper">
31)                  <input type="text" placeholder="Email"
class="form-control">
32)                </div><br>
33)                PASSWORD
34)                <div class="form-wrapper">
35)                  <input type="password" placeholder="password"
class="form-control">
36)                </div> <br>
37)                PHONE NO
38)                <div class="form-wrapper">
39)                  <input type="Phone no" placeholder="Phone no"
class="form-control"></div><br>
40)                GENDER
41)                  <div class="form-wrapper">
42)                    <input type="radio" placeholder="male" class="form
-control">MALE
43)                    <input type="radio"
placeholder="female" class="form-control">FEMALE
44)                  </div><br><br>
45)                  <p>Click on the "Choose File" button to upload a
file:</p>
46)                  <input type="file" id="myFile" name="filename"><br><br>
47)
48)                  <input type="submit">
49)
50)                </center>
51)              </form>
52)            </div>
53)          </body>

```

RESUME

FIRST NAME

User name

LAST NAME

User name

EMAIL

Email

PASSWORD

password

PHONE NO

Phone no

GENDER

☐ MALE ☒ FEMALE

Click on the "Choose File" button to upload a file:

Choose file No file chosen

Submit

Activate Windows
Go to Settings to activate Windows.