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Question-1:

Create registration page in html with username, email and phone number and by using POST method display it in next html page.

CODE:

HTML

```html
login.html > ⊘ html > ⊘ head
1    <!DOCTYPE html>
2    <html lang="en">
3      <head>
4        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
5        <link rel="stylesheet" href="./style.css" />
6        <title>Registration page</title>
7      </head>
8      <body>
9        <form action="http://localhost:5000/login" method="post">
10         <div class="container">
11           <h1>Registration page</h1>
12           <hr />
13
14           <label for="uname"><b>Username:</b></label>
15           <input type="text" placeholder="Enter Username" name="uname" required />
16
17           <label for="email"><b>Email:</b></label>
18           <input
19             type="text"
20             placeholder="Enter Email"
21             name="email"
22             id="email"
23             required
24           />
25
26           <label for="phone"><b>Enter your phone number:</b></label>
27           <input
28             type="tel"
29             id="phone"
30             name="phone"
31             placeholder="Enter your phoneNo"
32           />
33
34           <button type="submit" class="registerbtn">Register</button>
35         </div>
36       </form>
37     </body>
38   </html>
39
```

display.html

```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>Document</title>
</head>
<body style="background-color: blanchedalmond">
    <h1 style="text-align: center;color: brown">Display Page</h1>
    <h3>Username: {{ username }}</h3>
    <h3>Email: {{ email }}</h3>
    <h3>Phone No: {{ phone }}</h3>
</body>
</html>
```

FLASK PYTHON

E:\vs code practice\python\ibm\app.py

app.py

```python
# save this as app.py
from flask import Flask,redirect,url_for, request,render_template

app = Flask(__name__)

@app.route('/success/<name>/<mail>/<phno>')
def success(name,mail,phno):
    return render_template('display.html', username=name, email=mail, phone=phno)

@app.route('/login',methods = ['POST', 'GET'])
def login():
    if request.method == 'POST':
        user = request.form['uname']
        email = request.form['email']
        phone = request.form['phone']
        return redirect(url_for('success',name = user,mail = email, phno = phone))
    else:
        user = request.args.get('uname')
        email = request.args.get('email')
        phone = request.args.get('phone')
        return redirect(url_for('success',name = user,mail = email, phno = phone))

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

OUTPUT

Registration page

Username:

Divyajothy

Email:

divyajothy@gmail.com

Enter your phone number:

8765456756

Register

Display Page

Username: Divyajothy

Email: divyajothy@gmail.com

Phone No: 8765456756

Question-2:

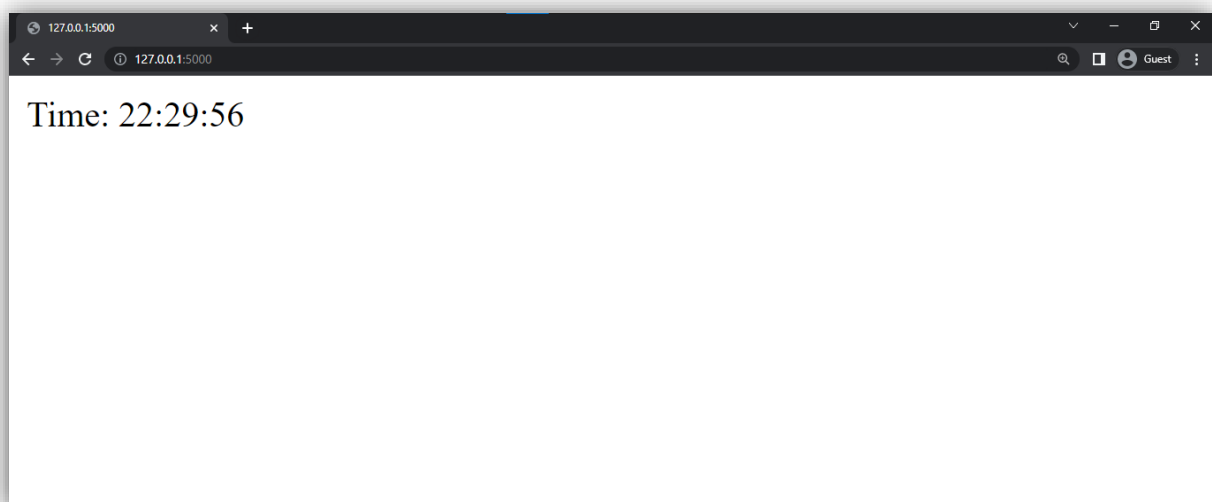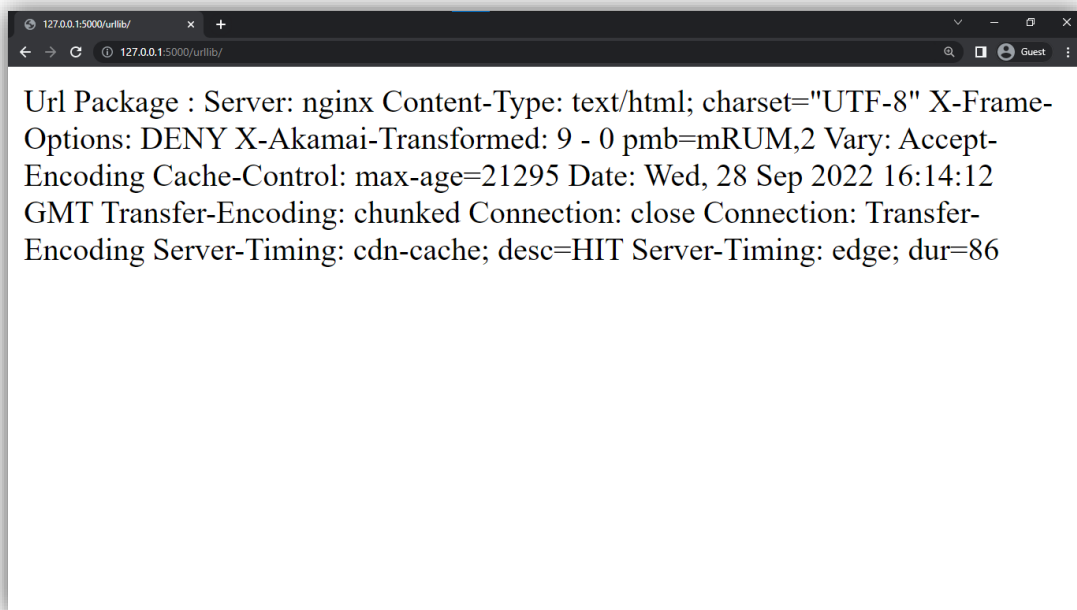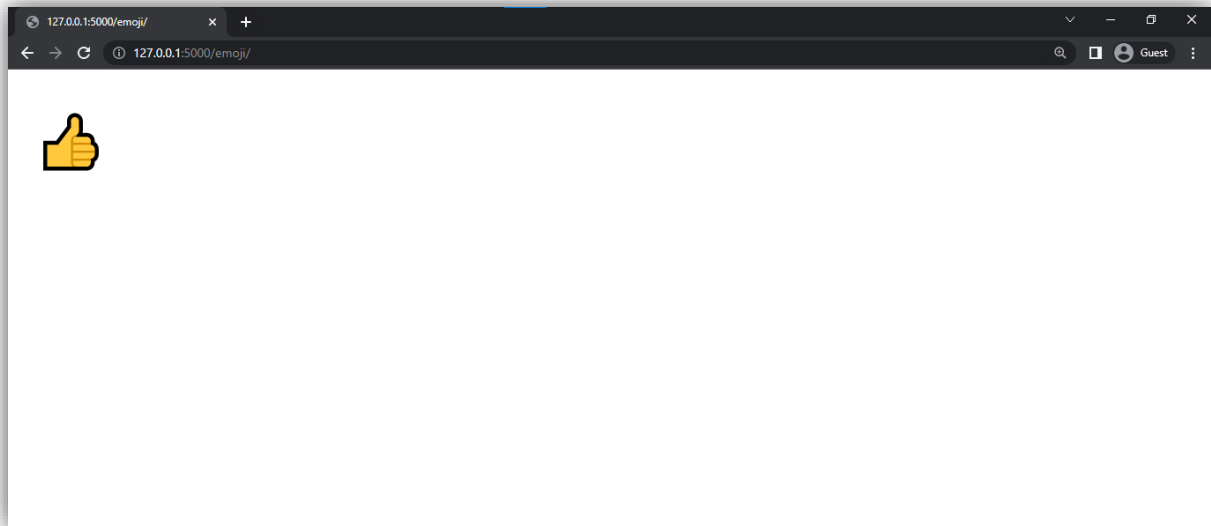Develop a flask program which should contain atleast 5 packages used from pypi.org.

Packages used :

1. from __future__ import print_function
2. import sys
3. from datetime import datetime
4. from flask import Flask,redirect
5. import emoji
6. from urllib.request import urlope

Code:

```python
from __future__ import print_function
import sys
from datetime import datetime
from flask import Flask,redirect
import emoji
from urllib.request import urlopen


app = Flask(__name__)

@app.route("/")
def home():
    date = datetime.now().strftime("%H:%M:%S")

    return 'Time: %s' % str(date)

@app.route("/emoji/")
def emojiPage():

    return emoji.emojize(":zipper-mouth_face:")

@app.route("/urllib/")
def pillowpkg():

    page = urlopen("http://geeksforgeeks.org/")
    return 'Url Package : %s '%str(page.headers)

@app.route('/print/')
def print_console():
    print('This is Assignment 1 by Ashritha', file=sys.stderr)
    return redirect('/')


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

Output:

Time: 22:29:56

Url Package : Server: nginx Content-Type: text/html; charset="UTF-8" X-Frame-Options: DENY X-Akamai-Transformed: 9 - 0 pmb=mRUM,2 Vary: Accept-Encoding Cache-Control: max-age=21295 Date: Wed, 28 Sep 2022 16:14:12 GMT Transfer-Encoding: chunked Connection: close Connection: Transfer-Encoding Server-Timing: cdn-cache; desc=HIT Server-Timing: edge; dur=86

Print in console

```
 * Serving Flask app 'flaskapp'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 878-098-958
This is Assignment 1 by Divyajothy
```