Assignment -1

Python Programming

Question-1:

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

SOLUTION:

app.py

reg.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>Register</title>
    <link rel="stylesheet" href="{{url_for('static', filename='style.css')}}">
</head>
<body>
    <form action="/register" method="POST" autocomplete="off">
        <div class="container">
          <h1>Register</h1>
          <center><b>Please fill in this form to create an
account.</b></center>
          <label class="form_label"for="email"><b>Username</b></label>
          <input class="form_input"type="text" name="username"placeholder="Enter</pre>
Username" name="username" id="username" required>
          <label class="form_label"for="email"><b>Email</b></label>
```

```
<br><br><br>>
          <input class="form_input"type="text" name="email"placeholder="Enter</pre>
Email" name="email" id="email" required>
          <br><br><br>>
          <label class="form_label"for="psw-repeat"><b>Phone number</b></label>
          <br><br><br><
          <input class="form_input"type="number"</pre>
name="phonenumber"placeholder="Enter Phone number" name="psw-repeat"
id="pswrepeat" required>
          <hr>>
          <center><button type="submit"</pre>
class="submitbtn">Register</button></center>
        </div>
      </form>
</body>
</html>
```

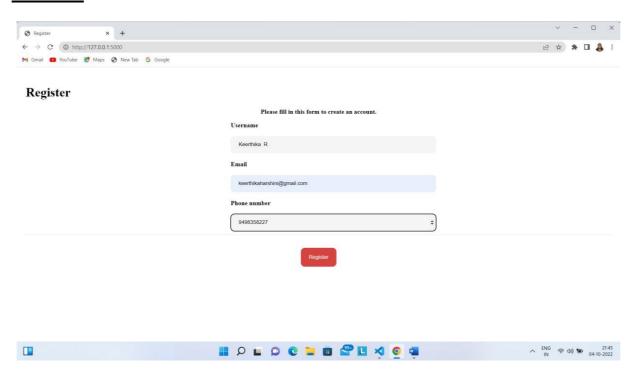
Result.html

/* Add padding to containers */

```
<!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>Display</title>
   <link rel="stylesheet" href="{{url_for('static', filename='style.css')}}">
</head>
<body>
   <h1>Output</h1>
   <center>
      Username
         {{username}}
      Email Address
         {{email}}
      Phone number
          {{phonenumber}}
      </center>
</body>
</html>
Style.html
```

```
.container { padding:
       background-color:
16px;
white;
/* Overwrite default styles of hr */
hr { border: 1px solid #f1f1f1;
margin-bottom: 25px;
}
/* Set a style for the submit button */
.submitbtn {
                 background-color:
rgb(211, 47, 41);
                     color: white;
padding: 16px 20px;
                       margin: 8px 0;
border: none; cursor: pointer;
opacity: 0.9;
                 border-radius: 10px;
}
.submitbtn:hover {
opacity: 1;
 }
  /* Add a blue text color to links */
       color: dodgerblue;
a {
.form_label {
margin-left: 35%; }
.form input {
margin-left: 35%;
width: 500px;
height: 42px;
padding-left: 20px;
border-radius: 10px;
border: none;
 background-color: whitesmoke;
} #output { font-family: Arial, Helvetica,
sans-serif;
             border-collapse: collapse;
width: 50%;
#output td, #output th {
border: 1px solid black;
padding: 8px;
#output tr:nth-child(even){background-color: #f2f2f2;}
#output tr:hover {background-color: #ddd;}
#output th { padding-top: 12px;
padding-bottom: 12px; text-align:
      background-color: rgb(211,
left;
47, 41); color: white;
}
```

OUTPUT:



Question-2:

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

Solution:

Packages used:

- 1. render_template
- 2. url_for
- 3. redirect
- 4. request
- 5. abort

Program:

python_packages.py

from flask import Flask,render_template,request,redirect,url_for,abort

```
app=Flask(__name__)
@app.route("/") def
home():
    return render_template("register.html")
```

```
@app.route("/register",methods=["POST","GET"])
def register(): if request.method=="POST":
username=request.form.get('username')
email=request.form.get('email')
phone=request.form.get('phone')
                                  if
username=="admin":
                          return
redirect(url_for("admin_page"))
                                 return
render_template("home.html",username=username
,email=email,phone=phone)
@app.route("/admin") def
admin_page(): return
render_template("admin.html")
@app.route("/validate",methods=["POST","GET"]) def
validate_admin(): if request.method=="POST":
password=request.form.get('password')
if(password=="abcd"):
render_template("admindashboard.html")
                                          else:
      abort(403)
if __name__ == '__main__':
  app.run(debug=True)
reg.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>Register</title>
    <link rel="stylesheet" href="{{url_for('static', filename='style.css')}}">
</head>
<body>
    <form action="/register" method="POST" autocomplete="off">
        <div class="container">
          <h1>Register</h1>
          <center><b>Please fill in this form to create an
account.</b></center>
          <label class="form label"for="email"><b>Username</b></label>
          <input class="form input"type="text" name="username"placeholder="Enter</pre>
Username" name="username" id="username" required>
          <br><br><br>>
          <label class="form_label"for="email"><b>Email</b></label>
<br><br><br><
          <input class="form_input"type="text" name="email"placeholder="Enter</pre>
Email" name="email" id="email" required>
          <br><br><br>>
```

<label class="form_label"for="psw-repeat">Phone number</label>

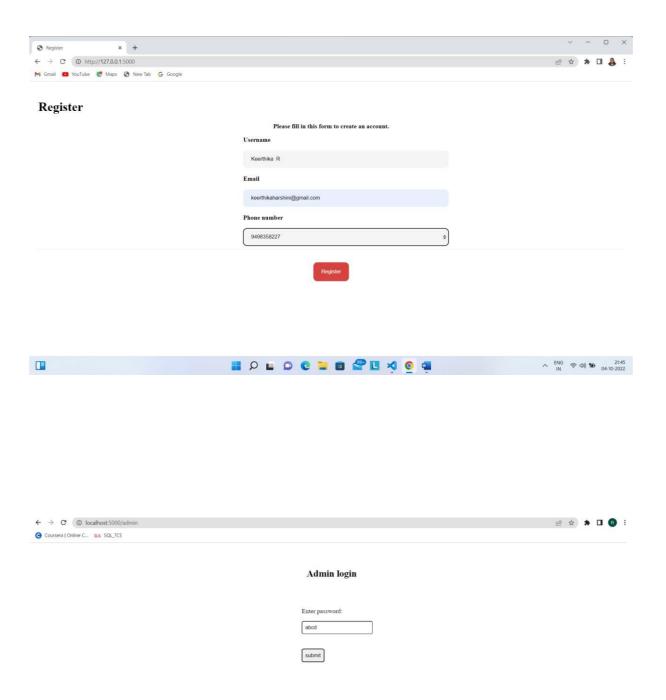
Result.html

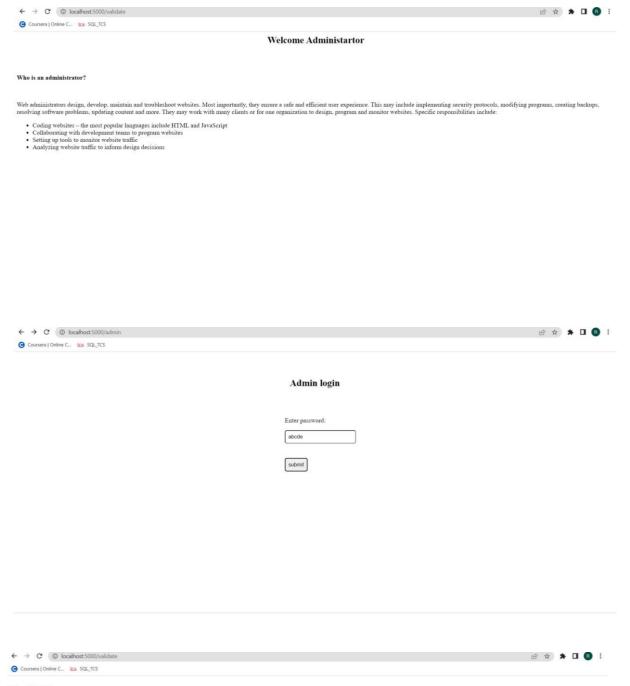
```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Display</title>
   <link rel="stylesheet" href="{{url_for('static', filename='style.css')}}">
</head>
<body>
   <h1>Output</h1>
   <center>
          Username
          {{username}}
       Email Address
          {{email}}
       Phone number
          {{phonenumber}}
       </center>
</body>
</html>
Style.html
/* Add padding to containers */
.container {
             padding:
16px;
       background-color:
white;
/* Overwrite default styles of hr */
       border: 1px solid #f1f1f1;
margin-bottom: 25px;
```

```
}
/* Set a style for the submit button */
.submitbtn {
                background-color:
rgb(211, 47, 41); color: white;
padding: 16px 20px;
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border: none; cursor: pointer;
opacity: 0.9; border-radius: 10px;
  .submitbtn:hover {
opacity: 1;
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 /* Add a blue text color to links */
a {
   color: dodgerblue;
.form_label {
 margin-left: 35%;
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padding-left: 20px;
border-radius: 10px;
border: none;
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} #output
{
  font-family: Arial, Helvetica, sans-serif;
border-collapse: collapse; width: 50%;
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#output td, #output th {
border: 1px solid black;
padding: 8px;
}
#output tr:nth-child(even){background-color: #f2f2f2;}
#output tr:hover {background-color: #ddd;}
#output th { padding-top: 12px;
padding-bottom: 12px; text-align:
left;
      background-color: rgb(211,
47, 41); color: white;
admin.html <html>
  <head>
    <title>Admin Login</title>
```

```
k rel="stylesheet" href="{{url_for('static', filename='register.css')}}">
</head>
  <body>
    <div class="center"> <br /> <br />
    <form action="/validate" method="POST">
      <h2 style="text-align:center">Admin login</h2> <br /> <br />
      Enter password:
      <input type="text" name="password"/>
      </br></br>
      <input type="submit" value="submit" />
    </form>
    </div>
  </body> </html>
admindashboard.html
<html>
<head>
  <title>Admin</title>
</head>
<body>
   <h2 style="text-align:center">Welcome Administrator </h2><br/>
   <b>Who is an administrator?</b></br>
   Web administrators design, develop, maintain and troubleshoot websites. Most
importantly, they ensure a safe and efficient user experience. This may include implementing
security protocols, modifying programs, creating backups, resolving software problems,
updating content and more. They may work with many clients or for one organization to design,
program and monitor websites. Specific responsibilities include: 
    \langle ul \rangle
    Coding websites – the most popular languages include HTML and JavaScript
    Collaborating with development teams to program websites
    Setting up tools to monitor website traffic
    Analyzing website traffic to inform design decisions
</body>
</html>
```

OUTPUT:





Forbidden

You don't have the permission to access the requested resource. It is either read-protected or not readable by the server.