



PyCharm 2021.1.3 available // Update... (35 minutes ago)

sessionMgmt.py

```
1 from flask import Flask, render_template
2 app = Flask(__name__)
3
4 @app.route('/')
5 def first():
6     return render_template('first.html')
7
8 @app.route('/first')
9 def second():
10    return render_template('second.html')
11
12 @app.route('/second')
13 def third():
14    return render_template('third.html')
15
16 @app.route('/third')
17 def final():
18    return render_template('final.html')
19
20 if __name__ == '__main__':
21    app.run(debug=True)
```

first.html

```
1 <meta charset="UTF-8">
2 <title>First Page</title>
3
4 </head>
5 <body>
6 <form action="/first">
7     First Data : <input type="text" name="fd"><br><br>
8     <input type="submit">
9 </form>
10</body>
11</html>
```

second.html

```
1 <meta charset="UTF-8">
2 <title>Second Page</title>
3
4 </head>
5 <body>
6 <form action="/second">
7     First Data : {{request.args.get('fd')}} <br><br>
8     Second Data : <input type="text" name="sd"><br><br>
9     <input type="submit">
10</form>
11</body>
12</html>
```

third.html

```
1 <title>Third Page</title>
2
3 </head>
4 <body>
5 <form action="/third">
6     First Data : {{request.args.get('fd')}} <br><br>
7     Second Data : {{request.args.get('sd')}} <br><br>
8     Third Data : <input type="text" name="td"><br><br>
9     <input type="submit">
10</form>
11</body>
12</html>
```

final.html

```
1 <html lang="en">
2 <head>
3 <meta charset="UTF-8">
4 <title>Final Page</title>
5 </head>
6 <body>
7     First Data : {{request.args.get('fd')}} <br><br>
8     Second Data : {{request.args.get('sd')}} <br><br>
9     Third Data : {{request.args.get('td')}} <br><br>
10</body>
11</html>
```

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sessionMgmt.py

```
1 from flask import Flask, render_template
2 app = Flask(__name__)
3
4 @app.route('/')
5 def first():
6     return render_template('first.html')
7
8 @app.route('/first')
9 def second():
10    return render_template('second.html')
11
12 @app.route('/second')
13 def third():
14    return render_template('third.html')
15
16 @app.route('/third')
17 def final():
18    return render_template('final.html')
19
20 if __name__ == '__main__':
21    app.run(debug=True)
```

first.html

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <title>First Page</title>
6 </head>
7 <body>
8 <form action="/first">
9     First Data : <input type="text" name="fd"><br><br>
10    <input type="submit">
11</form>
12</body>
13</html>
```

second.html

```
1 <meta charset="UTF-8">
2 <title>Second Page</title>
3
4 </head>
5 <body>
6 <form action="/second">
7     First Data : {{request.args.get('fd')}} <br><br>
8     Second Data : <input type="text" name="sd"><br><br>
9     <input type="submit">
10</form>
11</body>
12</html>
```

third.html

```
1 <title>Third Page</title>
2
3 </head>
4 <body>
5 <form action="/third">
6     First Data : {{request.args.get('fd')}} <br><br>
7     Second Data : {{request.args.get('sd')}} <br><br>
8     Third Data : <input type="text" name="td"><br><br>
9     <input type="submit">
10</form>
11</body>
12</html>
```

final.html

```
1 <html lang="en">
2 <head>
3 <meta charset="UTF-8">
4 <title>Final Page</title>
5 </head>
6 <body>
7     First Data : {{request.args.get('fd')}} <br><br>
8     Second Data : {{request.args.get('sd')}} <br><br>
9     Third Data : {{request.args.get('td')}} <br><br>
10</body>
11</html>
```

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```
6 </head>
7 </body>
8 <form action="/second">
9   <input type="hidden" name="fd" value="{{request.args.get('fd')}}"> <br>
10   First Data : {{request.args.get('fd')}} <br><br>
11   Second Data : <input type="text" name="sd"><br><br>
12   <input type="submit">
13 </form>
14 </body>
15 </html>

html > body > form
  final.html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Final Page</title>
6 </head>
7 <body>
8   First Data : {{request.args.get('fd')}} <br><br>
9   Second Data : {{request.args.get('sd')}} <br><br>
10   Third Data : {{request.args.get('td')}} <br><br>
11 </body>
12 </html>

html
  html > body > form
    third.html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Third Page</title>
6 </head>
7 <body>
8   <form action="/third">
9     <input type="hidden" name="fd" value="{{request.args.get('fd')}}"> <br><br>
10     <input type="hidden" name="sd" value="{{request.args.get('sd')}}"> <br><br>
11     First Data : {{request.args.get('fd')}} <br><br>
12     Second Data : {{request.args.get('sd')}} <br><br>
13     Third Data : <input type="text" name="td"><br><br>
14     <input type="submit">
15   </form>
16 </body>
17 </html>
```

```
1 #2.Cookies
2
3 -Cookies are stored on client side for better experience or for site statistics
4 -Cookies are stored with the help of set_cookie() method
5 -To call set_cookie we need response object
6 -We get response object from make_response() function
7
8 There are 2 types of cookies:
9 1.In memory cookies : These are temporary cookies which are cleared when we close the browser
10 2.Persistent cookies : These are permanent cookies which are cleared when the time limit gets over
11
12 #1.In memory cookies
13 from flask import Flask,render_template,request,make_response
14 app = Flask(__name__)
15
16 @app.route('/')
17 def first():
18     return render_template('first.html')
19
20 third()

Run: sessionMgmt
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
```

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com sessionMgmt.py

```
20 @app.route('/first')
21 def second():
22     res_obj = make_response(render_template('second.html'))
23     res_obj.set_cookie('first', request.args.get('fd'))
24     return res_obj
25
26 @app.route('/second')
27 def third():
28     res_obj = make_response(render_template('third.html'))
29     res_obj.set_cookie('second', request.args.get('sd'))
30     return res_obj
31
32 @app.route('/third')
33 def final():
34     return render_template('final.html')
35
36 if __name__ == '__main__':
37     app.run(debug=True)
```

third()

Run: sessionMgmt

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Running on http://127.0.0.1:5000

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com templates third.html

```
1 <meta charset="UTF-8">
2 <title>First Page</title>
3 <head>
4 <body>
5 <form action="/first">
6     First Data : <input type="text" name="fd"><br><br>
7     <input type="submit">
8 </form>
9
10
11
12
13
14
15 </body>
```

second.html

```
1 </head>
2 <body>
3 <form action="/second">
4     First Data : {{request.args.get('fd')}} <br><br>
5     Second Data : <input type="text" name="sd"><br><br>
6     <input type="submit">
7 </form>
8 </body>
9 </html>
```

third.html

```
1 <body>
2 <form action="/third">
3     First Data : {{request.cookies.get('first')}} <br><br>
4     Second Data : {{request.args.get('sd')}} <br><br>
5
6     Third Data : <input type="text" name="td"><br><br>
7     <input type="submit">
8 </form>
9 </body>
```

final.html

```
1 <meta charset="UTF-8">
2 <title>Final Page</title>
3 </head>
4 <body>
5     First Data : {{request.cookies.get('first')}} <br><br>
6     Second Data : {{request.cookies.get('second')}} <br><br>
7     Third Data : {{request.args.get('td')}} <br><br>
8 </body>
9 </html>
```

Run: sessionMgmt

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