

Html 代码:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Jquery Ajax Test</title>
  <script src="{ url_for('static', filename='js/jquery.js') }}"></script>
</script>
$(document).ready(function() {
  $(".btn1").click(function() {
    $.get("/mystring", function(data, status) {
      alert("数据: " + data + "\n 状态: " + status);
    });
  });
  $(".btn2").click(function() {
    $.get("/mydict", function(data, status) {
      alert("name: " + data.name + " age:" + data.age);
    });
  });
  $(".btn3").click(function() {
    $.get("/mylist", function(data, status) {
      alert("name: " + data);
      var json = eval('(' + data + ')');
      alert('name: ' + json[0] + ' age:' + json[1]);
    });
  });
  $(".btn4").click(function() {
    $.ajax({url: "/mystring", data: {"mydata": "test"}, success: function(data) {
      alert(data);
    }});
  });
  $(".btn6_2").click(function() {
    $.ajax({url: "/dataFromAjax", data: {"mydata": "test data"}, success: function(data) {
      alert(data);
    }});
  });
  $(".btn5").click(function() {
    $.ajax({url: "/mydict", success: function(data) {
      alert("name: " + data.name + " age:" + data.age);
    }});
  });
  $(".btn6").click(function() {
    $.ajax({url: "/mylist", success: function(data) {
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        alert("name: " + data);
        var json = eval('(' + data + ')');
        alert('name: ' + json[0] + ' age:' + json[1]);
    });
});

$(".btn7").click(function() {
    $(".p").load("../static/test.txt");
});

$(".btn10").click(function() {
    $(".p").load("/mystring");
});

$(".btn8").click(function() {
    $.getJSON("/mydict", function(data) {
        $.each(data, function(i, field) {
            $(".div").append(field + " ");
        });
    });
});

$(".btn9").click(function() {
    $.post("/mydict", {"mydata": "data from front", 'youdata': 'youdata from front'}, function(data,
status) {
        alert("name: " + data.name + " age:" + data.age);
    });
});

$(".btn11").click(function() {
    var firstname = $("#firstname").val();
    var lastname = $("#lastname").val();
    $.post("/name", {"firstname": firstname, 'lastname': lastname}, function(data, status) {
        alert("name: " + data.name + " age:" + data.age);
    });
});

$(".btn12").click(function() {
    $.getJSON("/mytable", function(data) {
        if(data.length > 0)
        {
            $("#createtable").empty();
            var table=$("<table border='1' cellspacing='0'> </table>");
            table.appendTo($("#createtable"));
            var trh=$("<tr></tr>");
            trh.appendTo(table);
            for(var h=0; h<data[0].length; h++)
            {
                var th = $("<th>" +data[0][h]+"</th>");
                th.appendTo(trh);
            }
        }
    });
});

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    }
    for(var r=1; r<data.length; r++)
    {
        var tr=$( "<tr></tr>" );
        tr.appendTo(table);
        for(var j=0; j<data[r].length; j++)
        {
            var td=$( "<td>" +data[r][j]+ "</td>" );
            td.appendTo(tr);
        }
    }
}
});
});
});

```

```

function CreateTable(rowCount, cellCount)
{
    $("#createtable").empty();
    var table=$( "<table border='1' cellspacing='0'> </table>" );
    table.appendTo($("#createtable"));
    var trh=$( "<tr></tr>" );
    trh.appendTo(table);
    for(var h=0; h<cellCount; h++)
    {
        var th = $( "<th>" +h+ "</th>" );
        th.appendTo(trh);
    }
    for(var i=0; i<rowCount; i++)
    {
        var tr=$( "<tr></tr>" );
        tr.appendTo(table);
        for(var j=0; j<cellCount; j++)
        {
            var td=$( "<td>" +i*j+ "</td>" );
            td.appendTo(tr);
        }
    }
}
}
</script>

```

```
</head>
```

```
<body>
```

```
<h1>Ajax Test</h1>
```

```
<button class="btn1">get string</button>
```

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<button class="btn2">get dict</button>
<button class="btn3">get list</button> <br/><br/>
<button class="btn4">ajax string</button>
<button class="btn5">ajax dict</button>
<button class="btn6">ajax list</button>
<button class="btn6_2">ajax sendDataToFlask</button><br/><br/>
<p>load:</p>
<button class="btn7">load from file</button>
<button class="btn10">load</button><br/><br/>
<div>getJSON: </div><br/>
<button class="btn8">getJSON</button><br/><br/>
    <button class="btn9">post</button>

```

```

<form action="/myform" method='post'>
First name: <input type="text" name="FirstName" value="Mickey" id="firstname"><br>
Last name: <input type="text" name="LastName" value="Mouse" id="lastname"><br>
<input type="submit" value="提交">
</form>
<br/><br/>
<button class="btn11">send name to flask</button>
<button class="btn12">从后端获取数据动态生成表格</button>
<br/><br/>
<input type="button" value="添加表格" onClick="CreateTable(5,6)" >
<br/><br/>
<div id="createtable"></div>
</body>
</html>

```

Flask 后台:

```

from flask import Flask, render_template, request
from flask import jsonify
import json
app = Flask(__name__)

@app.route('/')
def index():

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    return render_template(' 棋盘.html', )

@app.route("/getjson", methods=['GET', 'POST'])
def getjson():
    a = request.json
    if a:
        print(a)
        return jsonify([1,2])
    return jsonify("fail")

@app.route('/mystring')
def mystring():
    return 'my string'

@app.route('/dataFromAjax')
def dataFromAjax():
    test = request.args.get('mydata')
    print(test)
    return 'dataFromAjax'

@app.route('/mydict', methods=['GET', 'POST'])
def mydict():
    print('post')
    if request.method == 'POST':
        a = request.form['mydata']
        print(a)
        d = {'name': 'xmr', 'age': 18}
        return jsonify(d)

@app.route('/name', methods=['POST'])
def getname():
    firstname = request.form['firstname']
    lastname = request.form['lastname']
    d = {'name': firstname + ' ' + lastname, 'age': 18}
    print(d)
    return jsonify(d)

@app.route('/myform', methods=['POST'])

```

```
def myform():
    print('post')
    a = request.form['FirstName']
    print(a)
    d = {'name': 'xmr', 'age': 18}
    return jsonify(d)

@app.route('/mylist')
def mylist():
    l = ['xmr', 18]
    print('mylist')
    return json.dumps(l) # 用 jsonify 前端会出错

@app.route('/mytable')
def mytable():
    table = [('id', 'name', 'age', 'score'),
              ('1', 'xiemanrui', '18', '100'),
              ('2', 'yxx', '18', '100'),
              ('3', 'yaoming', '37', '88')]

    print('mytable')
    data = json.dumps(table)
    print(data)
    return data

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