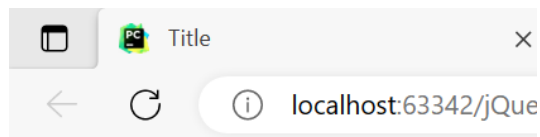


jQuery intro

1. import jQuery

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
</head>
<body>
<h1 id="txt" style="color: dodgerblue"> Ready to change</h1>
<script src="static/jquery-3.6.4.min.js"></script>

<script type="text/javascript">
  // find id txt, change txt
  $("#txt").text("changed");
</script>
</body>
</html>
```



changed

But actually you can find “Ready to change” appeared very short before changed appeared

2. select

1) select id

```
$("#id name")
```

2) select class

```
$(".class name")
```

3) select label

```
$("label name")
```

4) select by level

```
$(".c1 .c2 h1")
```

5) multiple select

```
$(".c1, .c2, li")
```

6) select by name

```
$("input[name='n1']")
```

7) select by position

```
<div>
  <div>aaaaaa</div>
  <div id="c1">bbbbbbbb</div>
  <div>cccccccccccccccccc</div>
</div>
```

```
$(".c1").prev()//a
$(".c1")//b
$(".c1").next()//c

$(".c1").siblings()
```

```
<div>
  <div>aaaaaa</div>
  <div>
    <div>1</div>
    <div id="c1">2</div>
    <div>3</div>
  </div>
  <div>cccccccccccccccccc</div>
</div>
```

```
$('#c1').parent()
$('#c1').parent().parent()
$('#c1').parent().parent().children()
```

Ex: menu

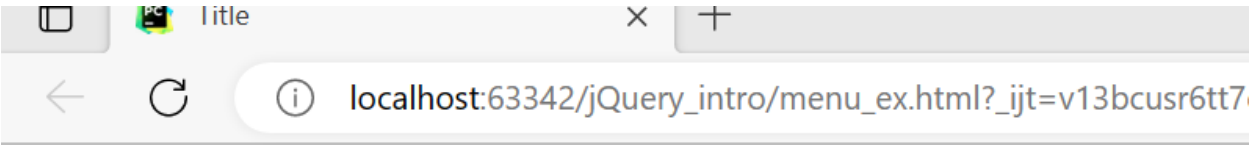
1. hide and show

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
  <style>
    .menu {
      height: 800px;
      width: 400px;
      margin-top: 20px;
      margin-left: 20px;
      border: 5px solid seagreen;
    }
    .menu .item .header {
      background-color: cornflowerblue;
      font-weight: bold;
      font-size: 25px;
    }
  </style>
</head>
<body>
  <div class="menu">
    <div class="item">
      <div class="header"></div>
      <div class="content"></div>
    </div>
  </div>
</body>
</html>
```

```

    }
    .hide{
        display: none;
    }
    .menu .item .content a {
        padding: 4px;
        display: block;
        border-bottom: 2px dotted lightgray;
    }
</style>
</head>
<body>
<div class="menu">
    <div class="item">
        <div class="header" onclick="show(this);">A puma at large</div>
        <div class="content hide">
            <a>puma</a>
            <a>spot</a>
            <a>evidence</a>
            <a>accumulate</a>
            <a>oblige</a>
            <a>hunt</a>
        </div>
    </div>
    <div class="item">
        <div class="header" onclick="show(this);">Thirteen equal one</div>
        <div class="content hide">
            <a>equal</a>
            <a>vicar</a>
            <a>raise</a>
            <a>torchlight</a>
        </div>
    </div>
    <div class="item">
        <div class="header" onclick="show(this);">An unknown goddess</div>
        <div class="content hide">
            <a>goddess</a>
            <a>archaeologist</a>
            <a>explore</a>
            <a>promontory</a>
            <a>civilization</a>
            <a>drainage</a>
        </div>
    </div>
</div>
<script src="static/jquery-3.6.4.min.js"></script>
<script>
    function show(self) {
        // self - this
        // when click header, we get the position of the header
        // find the next label: content
        // select hide style
        $(self).next().removeClass("hide");
    }
</script>
</body>
</html>

```

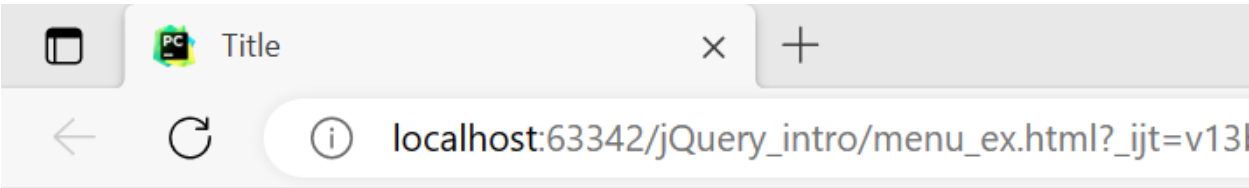


2. hide and show and hide

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
  <style>
    .menu {
      height: 800px;
      width: 400px;
      margin-top: 20px;
      margin-left: 20px;
      border: 5px solid seagreen;
    }
    .menu .item .header {
      background-color: cornflowerblue;
      font-weight: bold;
      font-size: 25px;
    }
    .hide{
      display: none;
    }
    .menu .item .content a {
      padding: 4px;
      display: block;
      border-bottom: 2px dotted lightgray;
    }
  </style>
</head>
<body>
<div class="menu">
  <div class="item">
    <div class="header" onclick="show(this);">A puma at large</div>
    <div class="content hide">
      <a>puma</a>
      <a>spot</a>
      <a>evidence</a>
      <a>accumulate</a>
      <a>oblige</a>
      <a>hunt</a>
    </div>
  </div>
  <div class="item">
    <div class="header" onclick="show(this);">Thirteen equal one</div>
    <div class="content hide">
      <a>equal</a>
      <a>vicar</a>
```

```

        <a>raise</a>
        <a>torchlight</a>
    </div>
</div>
<div class="item">
    <div class="header" onclick="show(this);">An unknown goddess</div>
    <div class="content hide">
        <a>goddess</a>
        <a>archaeologist</a>
        <a>explore</a>
        <a>promontory</a>
        <a>civilization</a>
        <a>drainage</a>
    </div>
</div>
</div>
<script src="static/jquery-3.6.4.min.js"></script>
<script>
    function show(self) {
        // self - this
        // when click header, we get the position of the header
        // find the next label: content
        // select hide style
        var hasHide = $(self).next().hasClass("hide");
        if(hasHide){
            $(self).next().removeClass("hide");
        }else{
            $(self).next().addClass("hide");
        }
    }
</script>
</body>
</html>
```



A puma at large

puma

spot

evidence

accumulate

oblige

hunt

Thirteen equal one

equal

vicar

raise

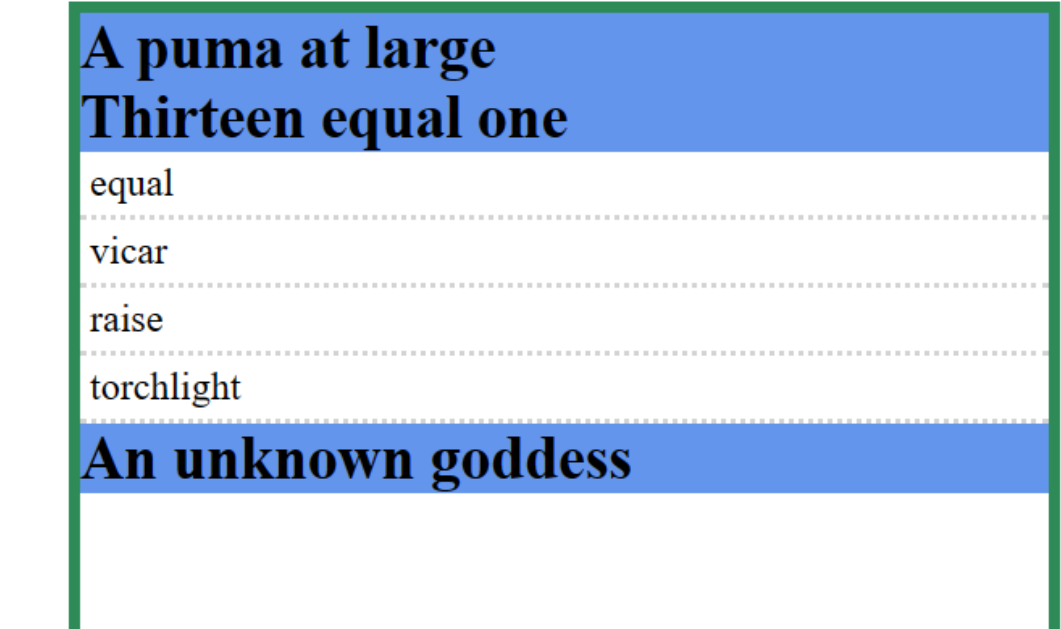
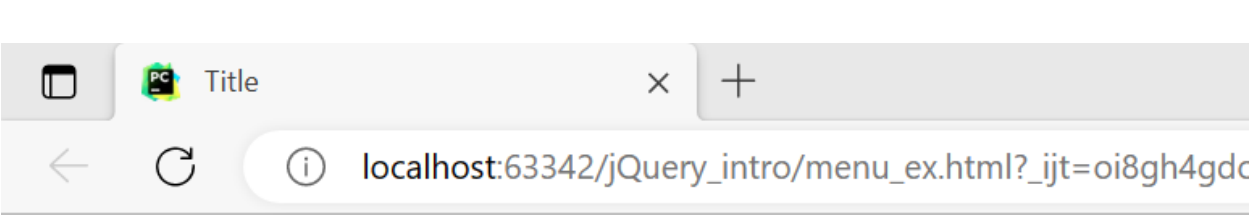
torchlight

An unknown goddess

3. only one show

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
  <style>
    .menu {
      height: 800px;
      width: 400px;
      margin-top: 20px;
      margin-left: 20px;
      border: 5px solid seagreen;
    }
    .menu .item .header {
      background-color: cornflowerblue;
      font-weight: bold;
      font-size: 25px;
    }
    .hide{
      display: none;
    }
    .menu .item .content a {
      padding: 4px;
      display: block;
      border-bottom: 2px dotted lightgray;
    }
  </style>
</head>
<body>
<div class="menu">
  <div class="item">
    <div class="header" onclick="show(this);">A puma at large</div>
    <div class="content hide">
      <a>puma</a>
      <a>spot</a>
      <a>evidence</a>
      <a>accumulate</a>
      <a>oblige</a>
      <a>hunt</a>
    </div>
  </div>
  <div class="item">
    <div class="header" onclick="show(this);">Thirteen equal one</div>
    <div class="content hide">
      <a>equal</a>
      <a>vicar</a>
      <a>raise</a>
      <a>torchlight</a>
    </div>
  </div>
  <div class="item">
    <div class="header" onclick="show(this);">An unknown goddess</div>
    <div class="content hide">
      <a>goddess</a>
      <a>archaeologist</a>
      <a>explore</a>
      <a>promontory</a>
      <a>civilization</a>
      <a>drainage</a>
    </div>
  </div>
</div>
<script src="static/jquery-3.6.4.min.js"></script>
<script type="text/javascript">
  function show(self) {
    // show self.content
    $(self).next().removeClass("hide");

    $(self).parent().siblings().find(".content").addClass("hide");
  }
</script>
</body>
</html>
```



3. value

```
<div id='c1'>content content content</div>
```

```
$('#c1').text() // get value
$('#c1').text('change change change') //change value
```

```
<input type='text' id='c2' />
```

```
$('#c2').val() // get custom input
$('#c2').val('set set set') // set value
```

Ex: add list

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
  <style>
    .container {
      width: 1000px;
      margin: 0 auto;
    }
  </style>
</head>
<body>
<div class="c">
  <h2 style="color: darkred; font-weight: bold">User message</h2>
  <input type="text" placeholder="name" id="UserName" style="display: block; margin-top: 10px" />
  <input type="text" placeholder="email" id="UserEmail" style="display: block; margin-top: 10px" />
  <input type="button" value="add" onclick="addUser()"/>
  <ul id="userInfo">
```

```

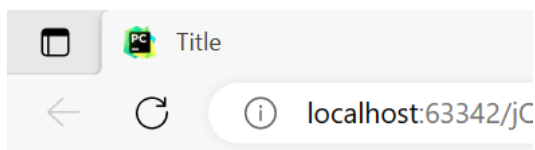
        </ul>

</div>

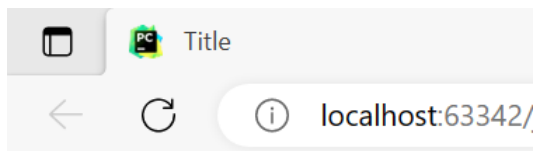
<script src="static/jquery-3.6.4.min.js"></script>
<script type="text/javascript">
    function addUser() {
        var name = $("#UserName").val();
        var email = $("#UserEmail").val();
        var newStr = name + " " + email
        // create <li></li>
        // $("<li>")
        var newRecord = $("<li>").text(newStr);
        // add to ul
        $("#userInfo").append(newRecord);

    }
</script>
</body>
</html>

```



User message



User message

- asdf asdfkjh@123.com

4. event

```

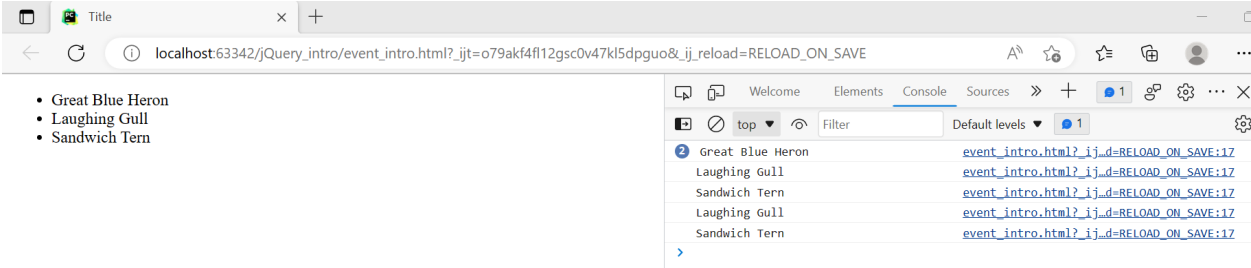
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Title</title>
</head>
<body>

```



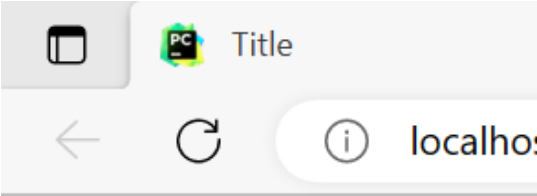
```
<ul>
  <li> Great Blue Heron </li>
  <li> Laughing Gull </li>
  <li> Sandwich Tern </li>
</ul>

<script src="static/jquery-3.6.4.min.js"></script>
<script type="text/javascript">
  $("li").click(function () {
    console.log($(this).text());
  })
</script>
</body>
</html>
```

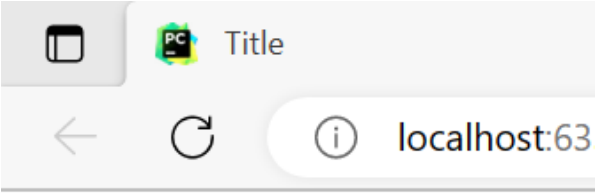


```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
</head>
<body>
<ul>
  <li> Great Blue Heron </li>
  <li> Laughing Gull </li>
  <li> Sandwich Tern </li>
</ul>

<script src="static/jquery-3.6.4.min.js"></script>
<script type="text/javascript">
  $("li").click(function () {
    $(this).remove();
  })
</script>
</body>
</html>
```



- Great Blue Heron
- Laughing Gull
- Sandwich Tern



- Great Blue Heron
- Sandwich Tern

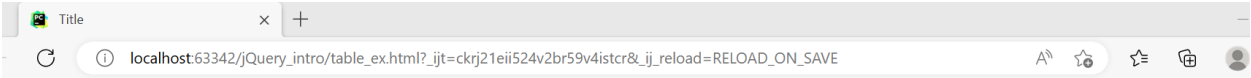
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Title</title>
  <style>
```

```

        .container {
            width: 1000px;
            margin: 0 auto;
        }
        th {
            width: 200px;
        }
    </style>
</head>
<body>
<div class="container">
    <h2 style="color: darkred; font-weight: bold; text-align: center">Birds message</h2>
    <table border="1" bordercolor="darkred">
        <thead>
            <tr>
                <th>ID</th>
                <th>name</th>
                <th>Habitat</th>
                <th>Conservation</th>
                <th>operation</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <th>230001</th>
                <th>Great Blue Heron</th>
                <th>Marshes</th>
                <th>Low Concern</th>
                <th>
                    <input class="del_button" type="button" value="delete"/>
                </th>
            </tr>
            <tr>
                <th>230002</th>
                <th>Laughing Gull</th>
                <th>Shorelines</th>
                <th>Low Concern</th>
                <th>
                    <input class="del_button" type="button" value="delete"/>
                </th>
            </tr>
            <tr>
                <th>230003</th>
                <th>Sandwich Tern</th>
                <th>Shorelines</th>
                <th>Low Concern</th>
                <th>
                    <input class="del_button" type="button" value="delete"/>
                </th>
            </tr>
        </tbody>
    </table>

</div>

<script src="static/jquery-3.6.4.min.js"></script>
<script type="text/javascript">
    $(".del_button").click(function () {
        $(this).parent().parent().remove();
    })
</script>
</body>
</html>
```



Birds message

ID	name	Habitat	Conservation	operation
230001	Great Blue Heron	Marshes	Low Concern	<input type="button" value="delete"/>
230002	Laughing Gull	Shorelines	Low Concern	<input type="button" value="delete"/>
230003	Sandwich Tern	Shorelines	Low Concern	<input type="button" value="delete"/>

Birds message

ID	name	Habitat	Conservation	operation
230002	Laughing Gull	Shorelines	Low Concern	<button>delete</button>
230003	Sandwich Tern	Shorelines	Low Concern	<button>delete</button>