**JQuery**

Task no 01 jquery setup

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<script>

$(Document).ready(function() {

  alert("Hello and welcome to jquery setup");

});

</script>

</body>

</html>

Task no 02 targeting elements

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<script>

$(document).ready(function(){

  $("button").click(function(){

    $("p").hide();

 });

  $("button").click(function(){

    $("#hello").hide();

  });

});

</script>

<h2>This is a heading</h2>

<p>This is a paragraph.</p>

<p>This is another paragraph.</p>

<button>Click me to hide paragraphs</button><br>

<p id="hello">hide this paragraph using id selector</p>

</body>

</html>

Task no 03 event handling

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<script>

$(document).ready(function(){

  $("p").click(function(){

    $(this).hide();

  });

  $("pre").dblclick(function(){

    $(this).hide();

  });

});

</script>

<p>click all the paragraph then all paragraph disappear</p>

<p>This is a paragraph.</p>

<p>This is another paragraph.</p>

<pre> <h3>double click hide event</h3></pre>

</body>

</html>

Mouse enter

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<script>

$(document).ready(function(){

  $("#p1").mouseenter(function(){

    alert("You entered mouse");

  });

});

</script>

<p id="p1">Enter mouse on this paragraph.</p>

</body>

</html>

Same as mouse leave mouseleave()

Mouse up mouseup()

Mouse down mousedown()

Hover hover ()

Task no 04 dropdown menu

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

    <style>

      <style>

.dropbtn {

  background-color: #3498DB;

  color: white;

  padding: 16px;

  font-size: 16px;

  border: none;

  cursor: pointer;

}

.dropbtn:hover, .dropbtn:focus {

  background-color: #2980B9;

}

.dropdown {

  position: relative;

  display: inline-block;

}

.dropdown-content {

  display: none;

  position: absolute;

  background-color: #f1f1f1;

  min-width: 160px;

  overflow: auto;

  box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);

  z-index: 1;

}

.dropdown-content a {

  color: black;

  padding: 12px 16px;

  text-decoration: none;

  display: block;

}

.dropdown a:hover {background-color: #ddd;}

.show {display: block;}

</style>

    </style>

</head>

<body>

<script>

/\* When the user clicks on the button,

toggle between hiding and showing the dropdown content \*/

function myFunction() {

  document.getElementById("myDropdown").classList.toggle("show");

}

// Close the dropdown if the user clicks outside of it

window.onclick = function(event) {

  if (!event.target.matches('.dropbtn')) {

    var dropdowns = document.getElementsByClassName("dropdown-content");

    var i;

    for (i = 0; i < dropdowns.length; i++) {

      var openDropdown = dropdowns[i];

      if (openDropdown.classList.contains('show')) {

        openDropdown.classList.remove('show');

      }

    }

  }

}

</script>

<h2>Clickable Dropdown</h2>

<p>Click on the button to open the dropdown menu.</p>

<div class="dropdown">

  <button onclick="myFunction()" class="dropbtn">Dropdown</button>

  <div id="myDropdown" class="dropdown-content">

    <a href="#home">Home</a>

    <a href="#about">About</a>

    <a href="#contact">Contact</a>

  </div>

</div>

</body>

</html>

Task no 05 prepend

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<p>This is a paragraph.</p>

<p>This is another paragraph.</p>

<button id="btn1">Prepend text</button>

<script>

$(document).ready(function(){

  $("#btn1").click(function(){

    $("p").prepend("<b>Prepended text</b>. ");

  });

 });

</script>

</body>

</html>

Append text

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<p>This is a paragraph.</p>

<p>This is another paragraph.</p>

<button id="btn1">Append text</button>

<script>

$(document).ready(function(){

  $("#btn1").click(function(){

    $("p").append("<b>Appended text</b>. ");

  });

 });

</script>

</body>

</html>

Task no 05 callback function

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<button>Hide</button>

<p>This is a paragraph with little content.</p>

<script>

$(document).ready(function(){

  $("button").click(function(){

    $("p").hide("slow", function(){

      alert("The paragraph is now hidden");

    });

  });

});

</script>

</body>

</html>

Task no 06 focus in and out

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<div style="border: 1px solid black;padding:10px;">

  First name: <input type="text"><br>

  Last name: <input type="text">

</div>

<p>Click an input field to get focus. Click outside an input field to lose focus.</p>

<script>

$(document).ready(function(){

  $("div").focusin(function(){

    $(this).css("background-color", "green");

  });

  $("div").focusout(function(){

    $(this).css("background-color", "white");

  });

});

</script>

</body>

</html>

Task no 07 css in jquery

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<h2>This is a heading</h2>

<p >This is a paragraph.</p>

<p >This is a paragraph.</p>

<p >This is a paragraph.</p>

<p>This is a paragraph.</p>

<button>Set multiple styles for p</button>

<script>

$(document).ready(function(){

  $("button").click(function(){

    $("p").css({"background-color": "yellow", "font-size": "200%"});

  });

});

</script>

</body>

</html>

Task no 08 each method

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<button>Alert the value of each list item</button>

<ul>

  <li>Coffee</li>

  <li>Milk</li>

  <li>Soda</li>

</ul>

<script>

$(document).ready(function(){

  $("button").click(function(){

    $("li").each(function(){

      alert($(this).text())

    });

  });

});

</script>

</body>

</html>

Task no 09 is method

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<div>

  <p>Click me to find out if I my parent is a div element.</p>

</div>

<script>

$(document).ready(function(){

  $("p").click(function(){

    if ($("p").parent().is("div")) {

      alert("Parent of p is div");

    }

  });

});

</script>

</body>

</html>

Task no 10 first and last method

First

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<h1>Welcome to My Homepage</h1>

<div style="border:1px solid black">

  <p>This is a paragraph in a div.</p>

  <p>This is a paragraph in a div.</p>

</div><br>

<div style="border:1px solid black">

  <p>This is a paragraph in another div.</p>

  <p>This is a paragraph in another div.</p>

</div>

<script>

$(document).ready(function(){

  $("div p").first().css("background-color", "yellow");

});

</script>

</body>

</html>

Last method

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<h1>Welcome to My Homepage</h1>

<div style="border:1px solid black">

  <p>This is a paragraph in a div.</p>

  <p>This is a paragraph in a div.</p>

</div><br>

<div style="border:1px solid black">

  <p>This is a paragraph in another div.</p>

  <p>This is a paragraph in another div.</p>

</div>

<script>

$(document).ready(function(){

  $("div p").last().css("background-color", "yellow");

});

</script>

</body>

</html>

Task no 11 prevent Default method

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<a id="myAnchor" href="https://google.com/">Go to Google.com</a>

<p>The preventDefault() method will prevent the link above from following the URL.</p>

<script>

document.getElementById("myAnchor").addEventListener("click", function(event){

  event.preventDefault()

});

</script>

</body>

</html>

Task no 12 event which

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

Enter your name: <input type="text">

<div>

<p>When you type in the field above, the div element below will display the key number.</p>

</div>

<script>

$(document).ready(function(){

  $("input").keydown(function(event){

    $("div").html("Key: " + event.which);

  });

});

</script>

</body>

</html>

Task no 13 multiple target and events

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<h1>Welcome to My Web Page</h1>

<h2>Nice to meet you</h2>

<div>Very nice indeed.</div>

<p>How are you?</p>

<p>I'm fine, <span>thanks.</span></p>

<script>

$(document).ready(function(){

  $("h2, div, span").css("background-color", "yellow");

});

</script>

</body>

</html>

Multiple events

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<p>Click this paragraph.</p>

<script>

$(document).ready(function(){

  $("p").on("click", function(){

    alert("The paragraph was clicked.");

  });

});

</script>

</body>

</html>

**Task no 14 page x and y**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

</head>

<body>

<p>The mouse pointer position is at: <span></span></p>

<script>

$(document).ready(function(){

  $(document).mousemove(function(event){

    $("span").text("X: " + event.pageX + ", Y: " + event.pageY);

  });

});

</script>

</body>

</html>

**Task no 15 has class**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"

    integrity="sha256-9/aliU8dGd2tb6OSsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>

    <style>

.intro {

  font-size: 120%;

  color: red;

}

</style>

</head>

<body>

<p class="intro">This is a paragraph.</p>

<button>Does any p element have an "intro" class?</button>

<script>

$(document).ready(function(){

  $("button").click(function(){

    alert($("p").hasClass("intro"));

  });

});

</script>

</body>

</html>