

Static and Dynamic Pages

Web Technologies



Lecture by
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```
<!doctype html>
<html>
  <head>
    <title>
      Web Technologies
    </title>
    <style>
      p {
        color: blue;
      }
    </style>
    <script>
      console.log("client-side");
    </script>
  </head>
  <body>
    <p>
      Welcome!
    </p>
  </body>
</html>
```

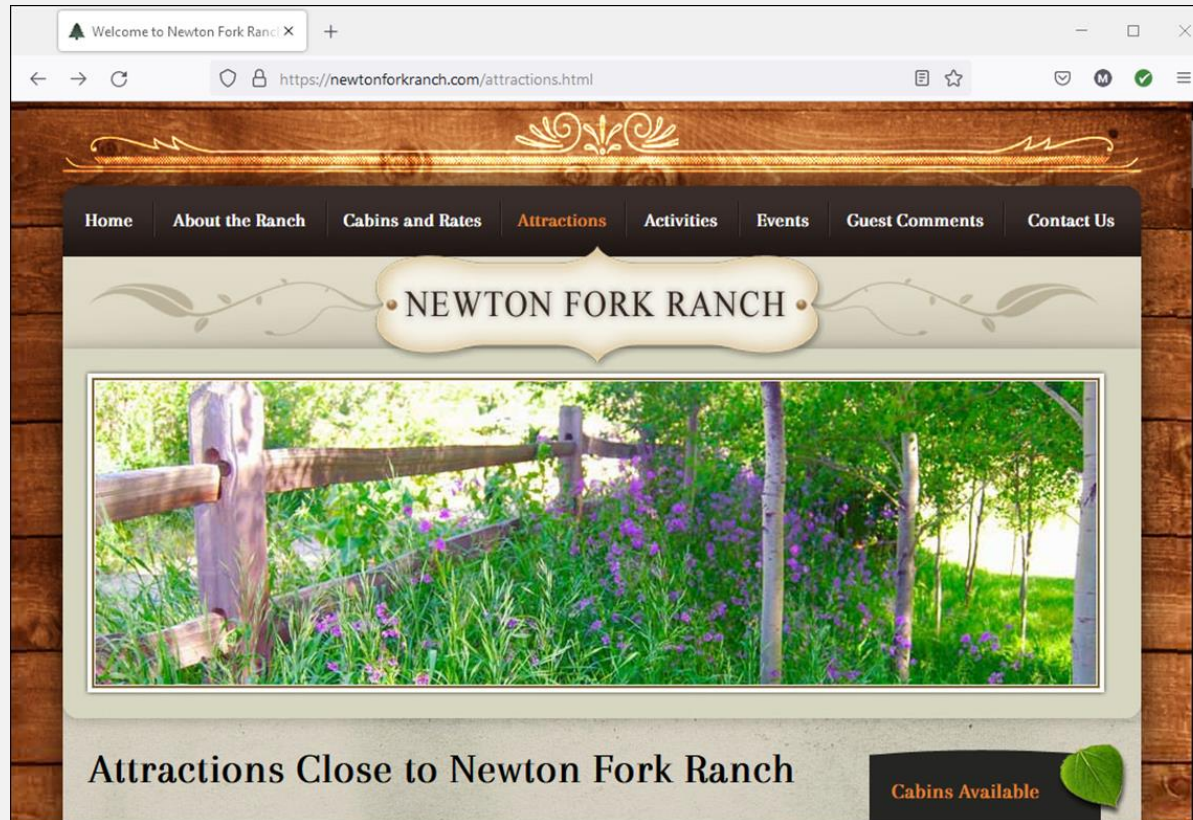

What we will cover

- **Static and Dynamic web pages**
- **Server-side scripting languages**
- **CSS rule set for**
 - **Body**
 - **Headings: h1 and h2**

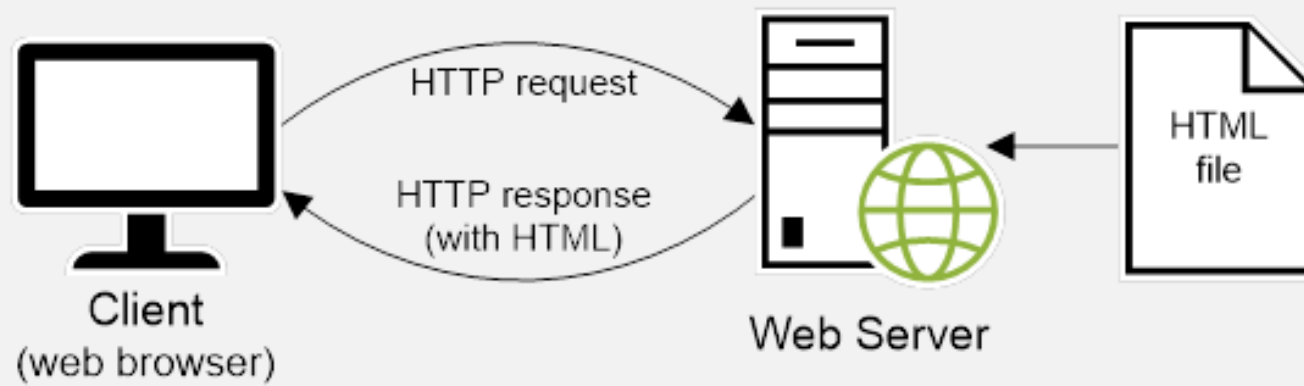
Static and Dynamic Web Pages

- **Static web page**
 - A web page that is the same each time it is loaded
- **Dynamic web page**
 - A web page that changes based on user entries or user interactions

A Static Web Page



Accessing a Static Web Page



A Dynamic Web Page

The screenshot shows the Amazon product page for 'Murach's JavaScript and jQuery (4th Edition)' by Mary Delamater and Zak Ruvalcaba. The page features a dark blue header with the Amazon logo, a search bar containing 'javascript and jquery', and navigation links for 'Hello, Sign in', 'Account & Lists', 'Returns & Orders', and 'Cart'. Below the header, a navigation bar lists various categories like 'All', 'Best Sellers', 'Customer Service', etc. The main content area displays the book's title, authors, a 4.5-star rating from 29 reviews, and a 'Look inside' button. The book cover is shown on the left, and the right side details the paperback price of \$42.13, a 'Buy new' button, and delivery information. A Prime membership banner is visible at the bottom right of the product details.

amazon Hello, Sign in Account & Lists Returns & Orders Cart

All Best Sellers Customer Service Prime New Releases Pharmacy Books Today's Deals Fashion Last-minute school supplies

Books Advanced Search New Releases Best Sellers & More Children's Books Textbooks Textbook Rentals Best Books of the Month

audible A new adventure begins From master storyteller Michael J. Sullivan Start listening

Back to results

Murach's JavaScript and jQuery (4th Edition) 4th Edition

by Mary Delamater (Author), Zak Ruvalcaba (Author)

★★★★★ 29 ratings

Look inside

ISBN-13: 978-1943872626
ISBN-10: 1943872627

Paperback
\$42.13

Other Sellers
from

Buy new:
In Stock.

Ships from and sold by Amazon.com.

Available at a lower price from other sellers that may not offer free Prime shipping.

List Price: \$59.50 Details
Save: \$17.37 (29%)

FREE delivery: Friday, Sep 3 Details

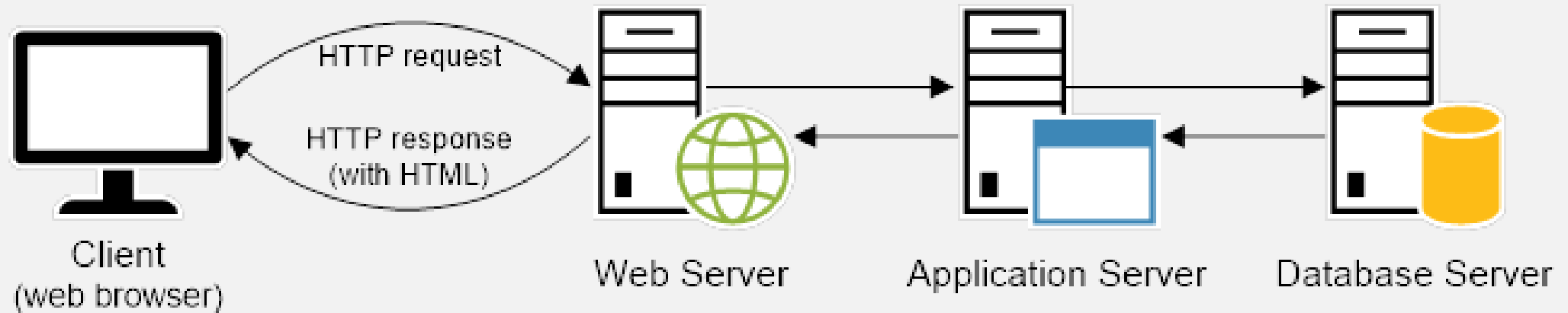
Select delivery location

Qty: 1

prime

Enjoy fast, FREE delivery, exclusive deals and award-winning movies & TV shows with Prime
Try Prime and start saving today with Fast, FREE Delivery

Accessing a Dynamic Web Page



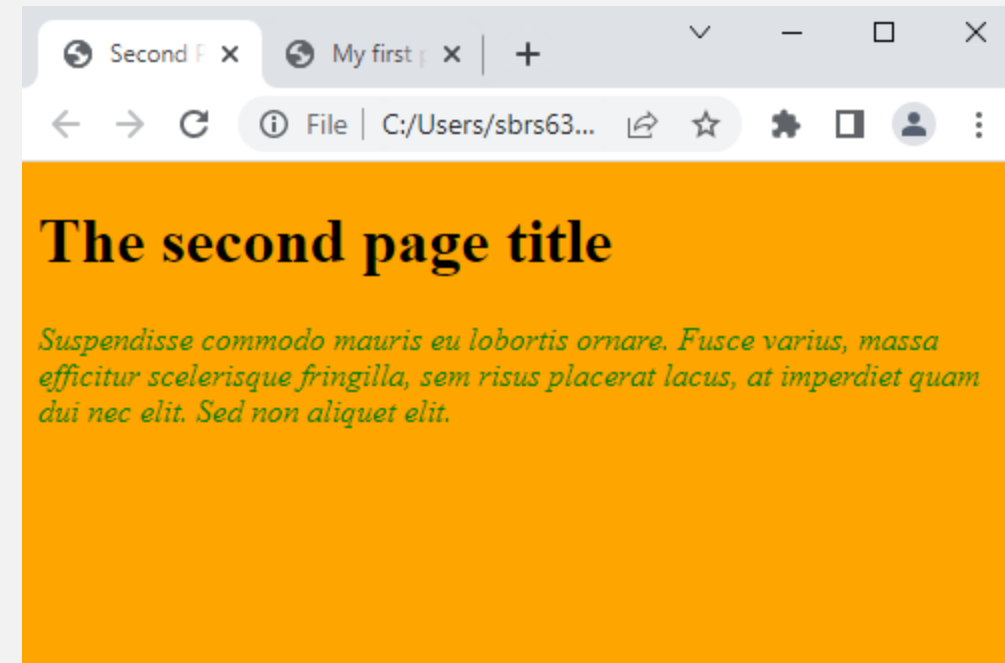
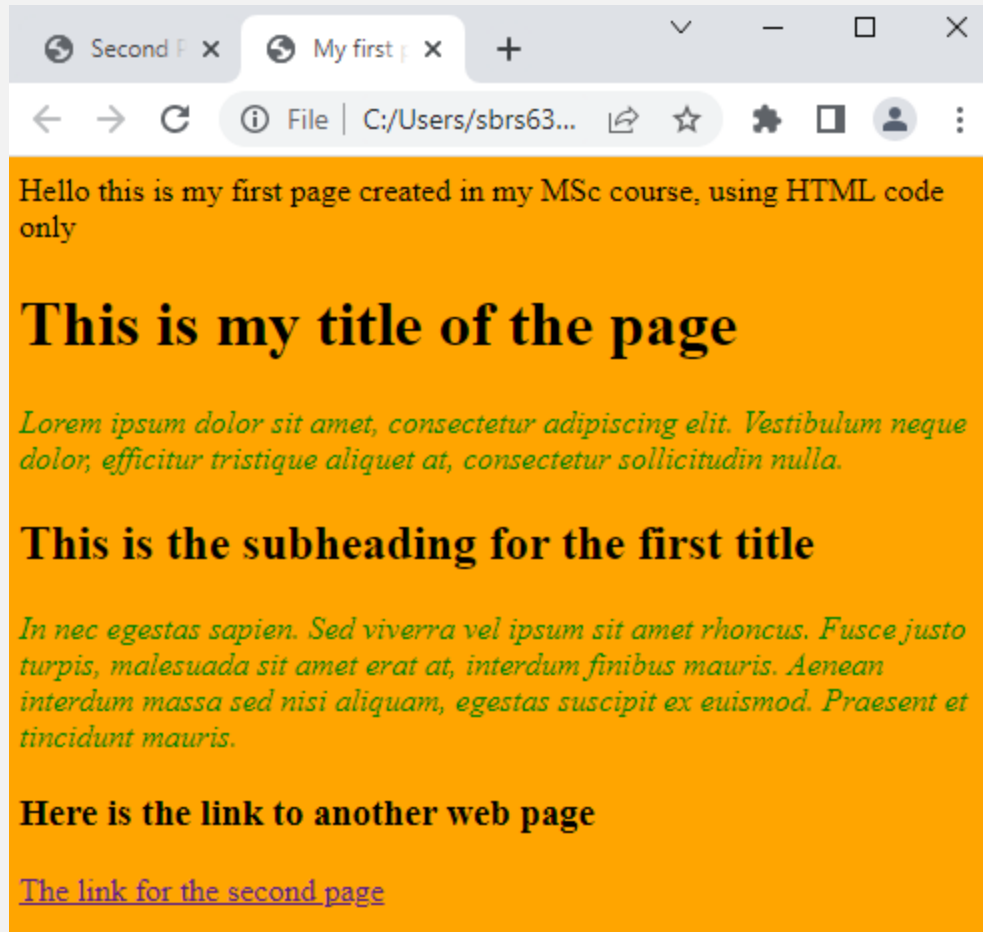
Server-side languages

- Python
- Java
- ASP.NET
- JSP
- PHP
- ColdFusion
- Ruby
- Perl

CSS Rule Set for Body

```
p {  
    color:green;  
    font-style: italic;  
}  
body {  
    background-color: orange;  
}
```

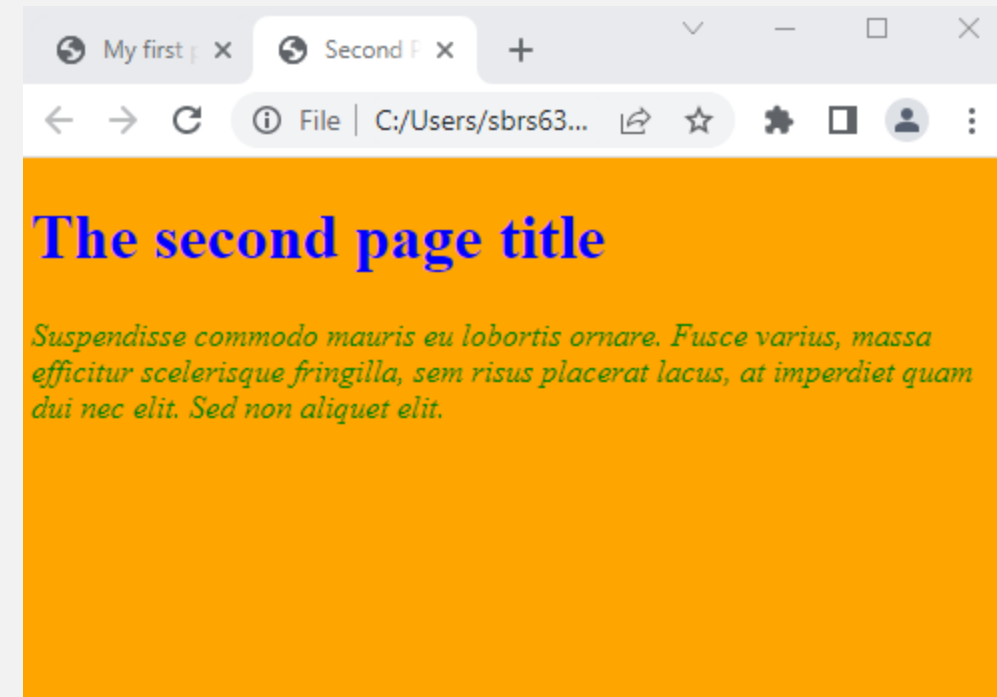
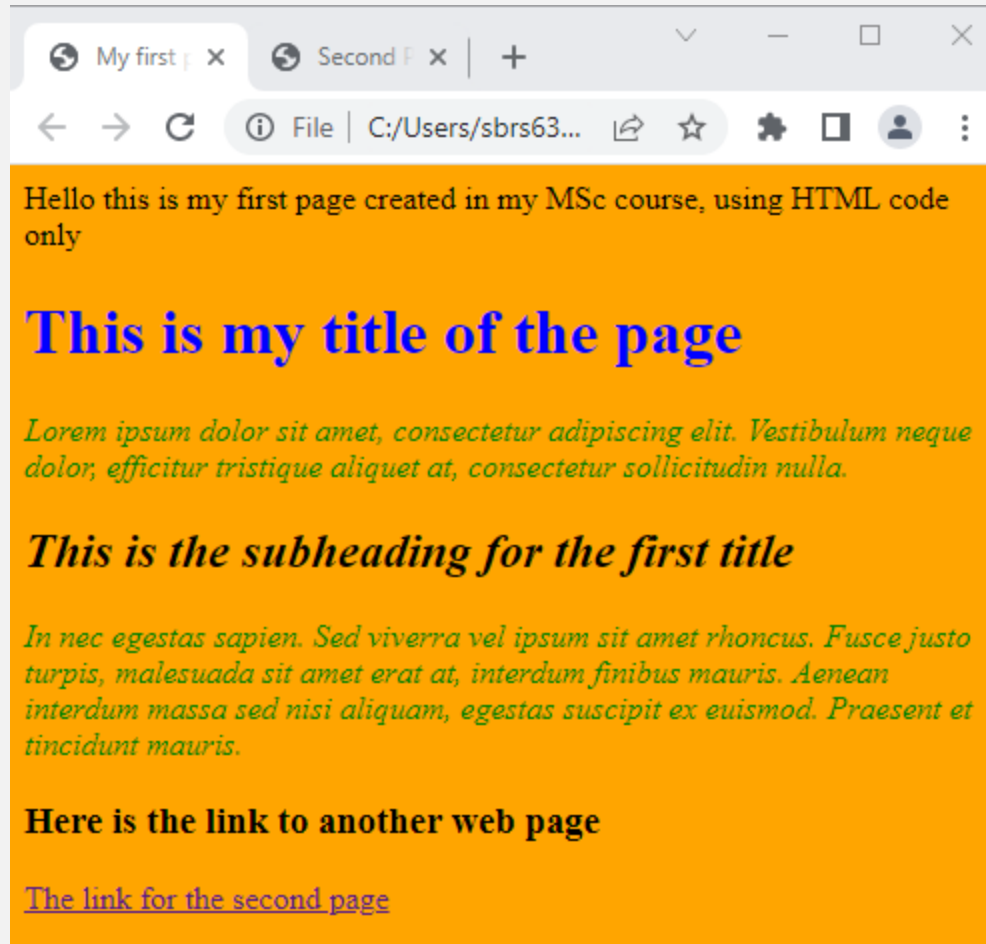
Web Pages in a Browser



CSS Rule Set for Headings

```
p {  
    color: green;  
    font-style: italic;  
}  
body {  
    background-color: orange;  
}  
h1 {  
    color: blue;  
}  
h2 {  
    font-style: italic;  
}
```

Web Pages in a Browser



Try It Yourself

In this activity you can practice how to add CSS rule sets for `<body>` and headings. So:

1. Open `style_page.css` file in your editor
2. Add the `body` selector and set the background colour to blue
3. Add `h1` and `h2` selectors to have the colour red for `h1` and italic font-style for `h2`
4. Save the CSS file
5. Run your HTML files in your browser to see the changes