CPS630 Lab 7
Section 1 Team 25
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1. Find out how the code works to detect the browsers' information. Run it on three different browsers: Firefox, Internet Explorer, and Google Chrome, and make sure to see the right information for each browser.

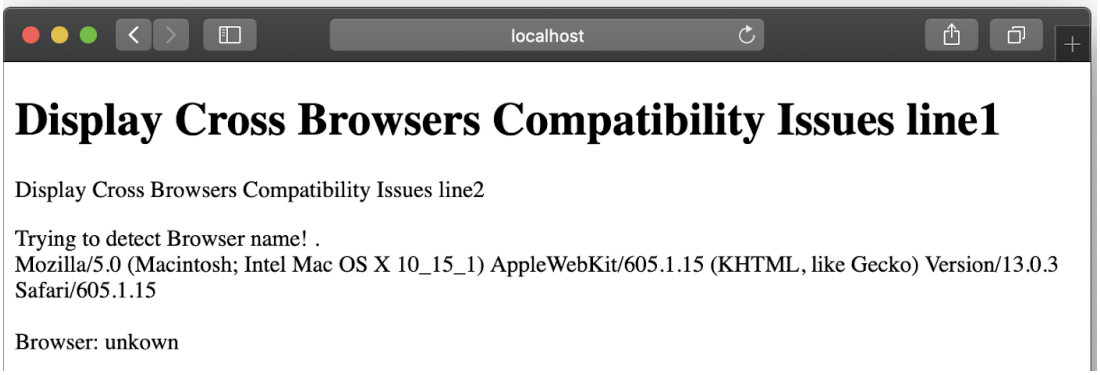
   $res = $_SERVER['HTTP_USER_AGENT'];
   // res contains browser information being sent as a part of the HTTP request.
   strpos($res, "____") == true
   // code checks if the string $res contains the Browser name indicated in the quotations and appropriately prints out which browser is being used.

a) Google Chrome

b) Firefox

c) Internet Explorer

d) **Safari** (not included in php code provided)

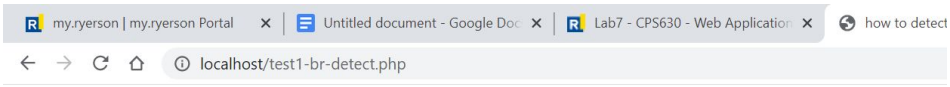


2. Write a code in JavaScript to do the same task (detecting the browser information) at the client-side. Your code should work on the same browsers as above...
   JavaScript code (See lab7.html file):

```
<!DOCTYPE html>
<head>
  <TITLE>how to detect browser using PHP </TITLE>
</head>
<body>
  <h1> Display Cross Browsers Compatibility Issues line1</h1>
  <p> Display Cross Browsers Compatibility Issues line2</p>
  <p id="demo"></p>
<script>
  window.addEventListener("load", function() {
    var brow = "";
      // EDGE
      if (navigator.userAgent.indexOf("Edge") != -1 ) {
        brow = "Microsoft Edge";
      }
      // CHROME
      else if (navigator.userAgent.indexOf("Chrome") != -1 ) {
        brow = "Google Chrome";
      }
      // FIREFOX
      else if (navigator.userAgent.indexOf("Firefox") != -1 ) {
        brow = "Firefox";
      }
      // INTERNET EXPLORER
      else if (navigator.userAgent.indexOf("Trident") != -1 ) {
        brow = "Internet Explorer";
      }

      // SAFARI
      else if (navigator.userAgent.indexOf("Safari") != -1 ) {
        brow = "Safari";
      }
      // OPERA
      else if (navigator.userAgent.indexOf("Opera") != -1 ) {
        brow = "Opera";
      }
      // OTHERS
      else {
        brow = "Unknown Browser";
      }
      document.getElementById("demo").innerHTML =
        "Trying to detect Browser name! ." + "<br />" + navigator.userAgent + "<br />" + "<br />" +
        "Browser: " + brow;
  });
</script>
</body>
</html>
```

a) Google Chrome



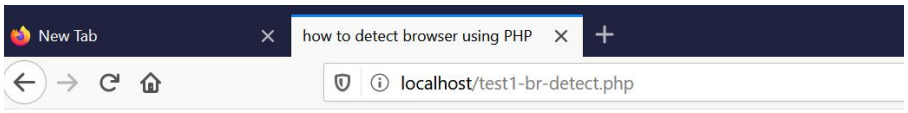
Display Cross Browsers Compatibility Issues line1

Display Cross Browsers Compatibility Issues line2

Trying to detect Browser name! .
Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/80.0.3987.132 Safari/537.36

Browser: Google Chrome

b) Firefox



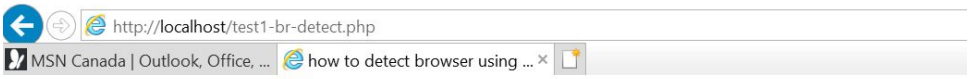
Display Cross Browsers Compatibility Issues line1

Display Cross Browsers Compatibility Issues line2

Trying to detect Browser name! .
Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:72.0) Gecko/20100101 Firefox/72.0

Browser: Firefox

c) Internet Explorer



Display Cross Browsers Compatibility Issues line1

Display Cross Browsers Compatibility Issues line2

Trying to detect Browser name! .
Mozilla/5.0 (Windows NT 10.0; WOW64; Trident/7.0; rv:11.0) like Gecko

Browser: Internet Explorer

d) Microsoft Edge

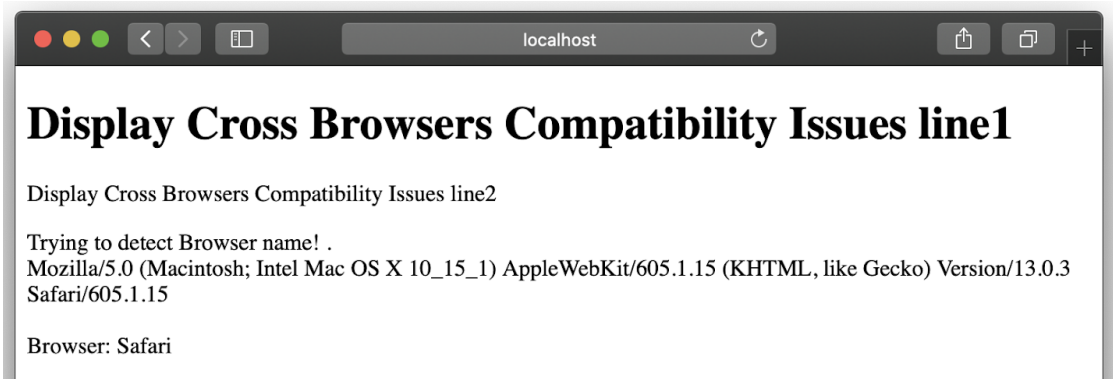
Display Cross Browsers Compatibility Issues

Display Cross Browsers Compatibility Issues

Trying to detected Browser name! ...
Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/70.0.3538.102 Safari/537.36 Edge/18.18362

Browser: Microsoft Edge

e) **Safari**


localhost
Display Cross Browsers Compatibility Issues line1
Display Cross Browsers Compatibility Issues line2
Trying to detect Browser name! .
Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_1) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.0.3 Safari/605.1.15
Browser: Safari

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