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<!--
12      Develop a PHP program to read the contents of a HTML form
      and display the contents on a browser.

      HTML form file, 12_1_html_form.html
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<!--
      Two file approach:
      HTML file for the form, to collect user input
      and then pass it to PHP program
      PHP file to accept(read) variables and values passed to it
-->
<!--
      HTML to read user input ---->send-to----> PHP to process
                                     action = script name/URL
      HTML   -----> PHP
      using form input
      and method = get      | form data appended to the action URL
      = post               | sent as the request body
                           |
                           | using HTTP GET POST PUT
-->

<form method="get" action="12_2_disp_user_input.php">

      Department: <input type="text" name="dept" /> <br />

      Semester:   <input type="number" name="sem" /> <br />

                  <input type="submit" value="Submit" />
</form>
<!--
      HTML to read user input ---->send-to----> PHP to process
                                     |
                                     using HTTP GET POST PUT

                                     verify the same, on Firefox
                                     Web Developer Tools, F12 , or
                                     Ctrl Shift I , or
                                     ≡ → More tools → Web Developer Tools
                                     and
                                     Network (Network Monitor), or Ctrl Shift E

Based on context, use method="get", or method="post"
When submit button on HTML page is clicked, mentioned action script:
      HTTP request for PHP script is made by browser
If HTML form uses
      method="get"
      then, action script, observe URL, http link script?varname=value
      Web Developer Tools → Network (Network Monitor)
      Network → Method → GET → Headers tab
      form data is part of GET request
      method="post"
      then, variable and value sent as part of request body
      Web Developer Tools → Network (Network Monitor)
      Network → Method → POST → Request tab
      Request tab has Form data
      or if Raw toggle button is switched, then, Request payload
-->

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For more on HTML element, its's attributes, values, functionality  
Please check, Mozilla Developer Network,

<form>: The Form element

<https://developer.mozilla.org/en-US/docs/Web/HTML/Reference/Elements/form>

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<input>: The HTML Input element

<https://developer.mozilla.org/en-US/docs/Web/HTML/Reference/Elements/input>

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