



Name:

UserID:

Student Number:

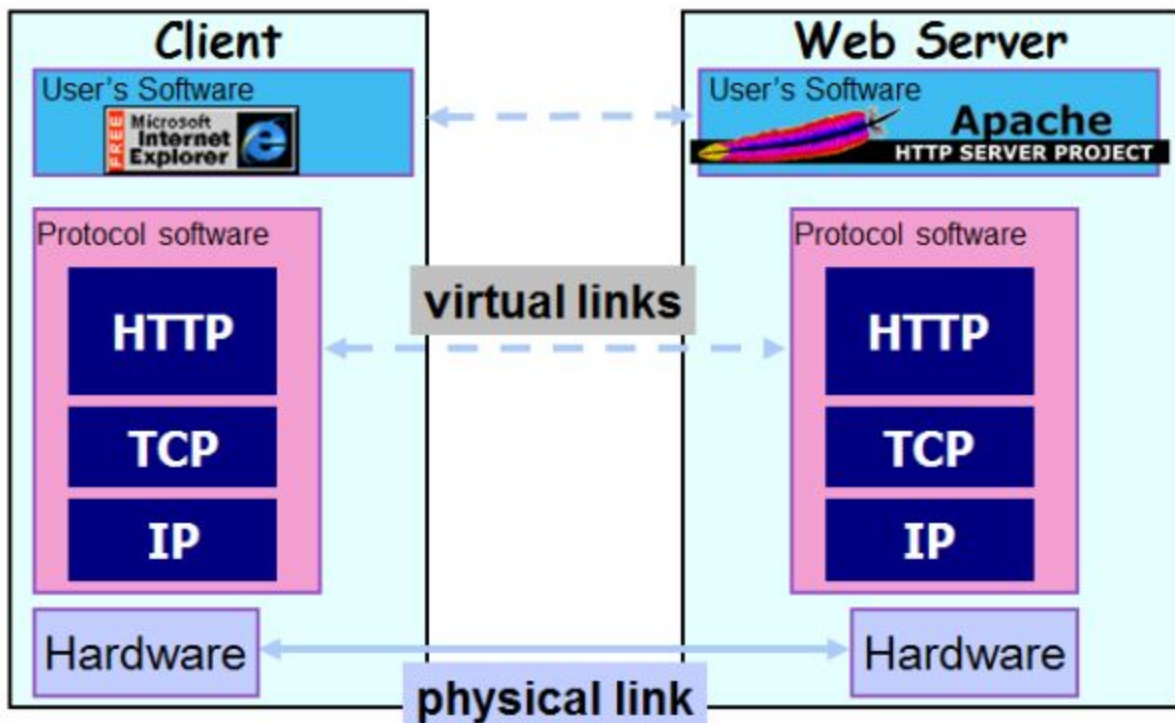
Instructions:

- Exam conditions apply - no books or notes are allowed.
- You should be silent and you should not have a calculator or mobile phone with you.
- Attempt all questions- supply answers in black or blue ink.
- Ensure your paper is handed in for assessment.

DURATION: 15 minutes

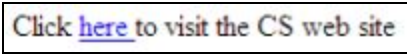
Question 1 [2 marks]

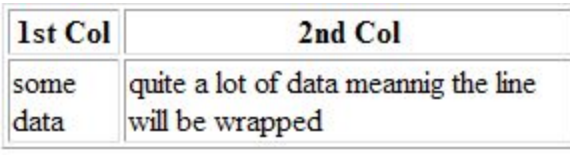
Complete the following diagram by using the following labels: Hardware, Physical Link, HTTP/TCP/IP, User's Software: Mozilla Firefox, Virtual Link, Other Protocols, User's Software: Apache Web Server.

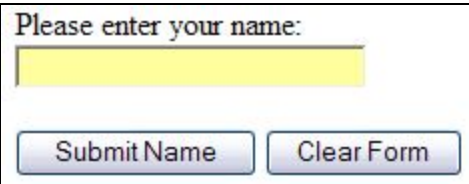


Question 2 [5 marks]


1. Write HTML markup to display the following on a normal web browser:

A. 

B. 

C. 

D. 

E. 

Write your answer here:

A `<p>Click here to visit the CS web site</p>`

B `<table border="1">
<tr>
<th>1st Col</th>
<th>2nd Col</th>
</tr>
<tr>
<td>some data</td>
<td>quite a lot of data meaning the
line
will be wrapped</td>
</tr>
</table>`

C <form method="post" action="cgi-bin/formmail">
<p>
Please enter your name:
<input name="name" type="text" size="25"
maxlength="50"/>
</p>
<p>
<input type="submit"
value="Submit Name"/>
<input type="reset"
value="Clear Form"/>
</p>
</form>

D <select name="mypulldown">
<option value="volvo">
Volvo</option>
<option value="saab">
Saab</option>
<option selected="selected"
value="mercedes">
Mercedes</option>
<option value="audi">
Audi</option>

E <html>
<head><title>...</title>
<link href="my.css" rel=
"stylesheet"
type="text/css"/></head>
<body>
<div id="header">..</div>
<div id="sidebar"> ..</div>
<div id="main">..</div>
<div id="footer">..</div>
</body>
</html>

div#header{
text-align:center;
height:50px;
}
div#sidebar {
float:left;
width:25%;
}
div#main {
left:25%;
width:75%;
float:left;
}
div#footer{
width:100%;
text-align:center;
}

F <!DOCTYPE html>
<html>
<body>
<p>Check out my image:</p>


```
</body>
</html>
```

Question 3 [3 marks]

Write HTML markup to create the following form (see screenshot), and write a JavaScript function that validates the form by checking that:

- The text entered by the user is a number and not characters,
- The number is between 18 and 100.

If any of the above rules are False, the page should show a message to the user that says: "Input is Invalid".
If the above rules are True, the page should show a message to the user that says: "Input is valid".

Welcome to this site

Please input your Age:

Write your answer here:

```
<!DOCTYPE html>
<html>
<body>

<h1>Welcome to this Site</h1>

<p>Please input your age:</p>

<input id="numb">

<button type="button" onclick="myFunction()">Submit</button>

<p id="demo"></p>

<script>
function myFunction() {
    var x, text;

    // Get the value of the input field with id="numb"
    x = document.getElementById("numb").value;

    // If x is Not a Number or less than one or greater than 10
    if (isNaN(x) || x < 18 || x > 100) {
        text = "Input not valid";
    } else {
        text = "Input OK";
    }
    document.getElementById("demo").innerHTML = text;
}
</script>
```

```
</body>  
</html>
```