

What is the purpose of the escape character in a html code?

Select one:

- ☐ It is to indicate the beginning and ending of the document.
- ☐ It is to separate javascript from html code.
- ☐ It is to separate the html tag from the normal text.
- ☐ It is to represent non-text special symbol.

Which of the following best describe a regular expression pattern "[^xyz]"?

Select one:

- ☐ None of these answers.
- ☒ It must be the string "xyz"
- ☐ It can be any thing except x, y nor z.
- ☐ It must be either x, y or z

[Clear my choice](#)

Determine the final content of the text box after typing "David" in the text box follows by clicking the button. Assume the html file contains the following javascript and html code segments.

```
function abc()  
{ x = document.getElementById("unm")  
  x = "hello " + x; }  
  
user name <input type="text" name="user" id="unm"><br/>  
<button onclick="abc()">click to change</button><br/>
```

Select one:

- ☐ None of these answers
- ☐ It will show "hello"
- ☐ It will show "David"
- ☐ It will show "hello David"

Which of the following is not true about html?

Select one:

- ☐ html stands for hyper text markup language
- ☐ None of these answers.
- ☐ It is used to transmit data between computers
- ☐ It is described by a set of tag

Below is a segment of code with drag and drop features. Assume there is no error in the code.

<below is the javascript code>

```
function dragStart(event){  
var dragId = event.target.id; event.dataTransfer.setData("x", dragId); }  
  
function drop(event){  
var xcount = 0;  
var dropId = event.target.id;  
var dragId = event.dataTransfer.getData("x");  
xcount = xcount + 1;  
document.getElementById("xcount").innerHTML=xcount;  
}  
function dragOver(event){ event.preventDefault(); }
```

<below is the html code>

```
<div id="xDiv" onDrop="drop(event)" onDragOver="dragOver(event)">  
cat <span id="xcount">0</span></div>  

```

What is the value of xcount after dragging the image "xx.png" and drop into the "xDiv" 3 times?

Answer:

Determine the valid output order with the following xsl code segment and xml data. Assume there is no error in the code segment.

Part of the XML data:

```
<x id="103"></x><x id="3"></x><x id="10"></x><x id="-1"></x><x id="105"></x>
```

XSL code segment:

```
<xsl:for-each select="x">  
  <xsl:sort select="@id"/>  
  <xsl:value-of select="@id" />  
  <xsl:text>,</xsl:text>  
</xsl:for-each>
```

Select one:

- ☒ -1,3,10,103,105
- ☐ -1,10,103,105,3
- ☐ 103,3,10,-1,105
- ☐ None of these answers

Describe the output of the following XSLT statements. Assume there is no error in the code segment.

```
<xsl:choose>  
<xsl:when test="mobile ="">yes</xsl:when>  
<xsl:otherwise>no</xsl:otherwise>  
</xsl:choose>
```

Select one:

- ☐ It will output a "no" if the xml element "mobile" is not empty.
- ☐ It will output the data tagged by a xml element "mobile" if test=mobile.
- ☐ It will output a "yes" if there is no mobile content under the test xml element.
- ☐ It will output a "yes" if the xml element "test" contains a mobile.

What is the difference between inline CSS and document CSS?

Select one:

- ☐ The styling information for inline CSS is within the html element as an attribute, while document CSS is kept in a separate section in the html document.
- ☐ Document CSS is within the html element as an attribute, while inline CSS is kept in a separate section in the html document.
- ☐ Inline CSS contains only a single styling information, while document CSS can contain multiple styling information.
- ☐ The styling information for inline CSS is within the html document, while document CSS is kept in an external file.

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Which of the following statement best describe an event handler?

Select one:

- ☒ A notification that something specific has occurred, either with the browser or because of a browser's user action.
- ☐ A html function written to perform a specific process when a user clicks a button.
- ☐ An effective and simple way to detect responses from a user.
- ☐ A software routine associated with a class of events that can cause output, change the system state, and call computational routines.

[Clear my choice](#)

What is the purpose of the "alt" attribute in an image tag?

Select one:

- ☒ It provides an additional information of the image where both image and the text will be display together.
- ☐ It is used when the browser has problem displaying the actual image.
- ☐ It is used as a way in identifying the image just like the name attribute.
- ☐ None of these answers.

[Clear my choice](#)

Which of the following statement is true about the below "password" tag?

```
<input type="password" name="pw1" id="pw2" size="5">
```

Select one:

- ☐ The content will be masked with any password length
- ☐ None of these answers
- ☒ The content will be masked with a max password length of 5
- ☐ The content will be encrypted with a max password length of 5

[Clear my choice](#)

Based on the following DTD, which of the following XML data content is invalid? Assume there is no error in the code segment.

```
<!DOCTYPE studentList [  
  <!ELEMENT studentList (student*)>  
  <!ELEMENT student (firstName | lastName | email)>  
  <!ELEMENT firstName (#PCDATA)>  
  <!ELEMENT lastName (#PCDATA)>  
  <!ELEMENT email (#PCDATA)>]>
```

Select one:

- ☐ <studentList><student><lastName>yes</lastName></student></studentList>
- ☐ None of these answers
- ☐ <studentList></studentList>
- ☐ <studentList><student><email>hello@abc.com</student></email></studentList>

Which of the following statement is true about the below code segment?

```
<xsl:value-of select="@a"/>
```

Select one:

- ☐ It is a command to extract the xml attribute value
- ☐ It is a command to extract the xml data element within the "a" tag
- ☐ None of these answers.
- ☐ It is a command to select the constant value "a"

Which of the following statement is true about JSON?

Select one:

- ☒ XML and JSON are used to store or transport data.
- ☐ CSS and JSON are used for formatting (e.g. color, alignment).
- ☐ None of these answers.
- ☐ We can use XSL to describe the data structure of JSON.

[Clear my choice](#)

Which of the following best describe the below two statements?

```
<h1>hello<small>TESTING</small>123</h1><br/>
```

```
hello<small>TESTING</small>123
```

Select one:

- ☐ "TESTING" in both statements will have smaller font size as compared to the rest of the words. But both "TESTING" will be of the same font size.
- ☐ "TESTING" in both statements will be display in lower case (testing).
- ☐ None of these answers.
- ☒ "TESTING" in both statements will have smaller font size relative to the rest of the text in the same statement. The "TESTING" in both statements may have different font size.

[Clear my choice](#)

Determine the final output for the following javascript code. The value in x is 9 before the statement. Assume there is no error in the following code segment. Your answer must be in numerical format.

```
if (x < 10) x += 2; else x += 3; x += 5;
```

Answer:

The following is the header of an XML file. Which of the following statement best describe this header?
Assume there is no error in the code segment.

```
<?xml version="1.0" encoding="UTF-8" standalone="no" ?>
```

```
<!DOCTYPE studentList SYSTEM "studentList.dtd">
```

Select one:

- ☐ "standalone" is a field to indicate whether the dtd information is stored in the current file.
- ☐ The dtd information is stored in the same file as the XML data using the tag name "studentList".
- ☐ The xml data is stored in an external file named as "studentList.dtd".
- ☐ None of these answers.

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Which of the following can be used to include comments in a XSLT document?

Select one:

- ☐ None of these answers
- ☐ /* ... */
- ☐ <COMMENT> ... </COMMENT>
- ☐ <!-- ... -->

The following is the URL after submitting a html form. Which of the following statement best describe the data send to the server?

http://localhost/x0/x1?x2=x3+x4&x5=x6

Select one:

- ☐ There are 3 data from the html form. One html element is named as "x1" with user data "x2" and the other two are "x3" and "x5" with user data "x4" and "x6".
- ☐ There are 2 data from the html form. One html element is named as "x2". with user data "x3 x4" and the other is "x5" with user data "x6".
- ☐ There are 5 data from the html form. They are named as "x2", "x3", "x4", "x5" and "x6".
- ☐ There are 2 data from the html form. One html element is named as "x1" with user data "x2=x3+x4" and the other is "x5" with user data "x6".

The following code segment is supposed to create a html table structure as shown below. There are error(s) in the code. Determine the line with the error(s) in the code segment.

A		B
C		E
F	D	G

```
1 <table border="1">
2 <tr><td colspan="2">A</td><td>B</td></tr>
3 <tr><td>C</td><td colspan="2">D</td><td>E</td></tr>
4 <tr><td>F</td><td>G</td></tr>
5 </table>
```

Select one:

- ☐ Line 2 has error
- ☐ None of these answers
- ☐ Line 4 has error
- ☐ Line 3 has error

What is the regular expression required to validate a content with 1 lower case character and follows by 2 to 4 digitals?
Assume there is no error in the code segment. You need to provide the regular expression string to replace ???.

Enter a code `<input type="text" name="code" pattern="???">`

Answer:

In order to enable a html5 component to be able to drag using mouse, which of the following html attribute(s) is/are required.

Select one:

- ☐ onDrop
- ☐ All these answers.
- ☐ onDragStart
- ☐ onDragOver

Which of the following is a valid javascript statement to retrieve the content stored in a javascript object "x" within a javascript array "y".

Select one:

- ☐ `x[i].y`
- ☐ `y[i].x`
- ☐ `y.x[i]`
- ☐ None of these answers.

How many option(s) can the user select with 3 html radio buttons having the following partial html code segment?
Assume there is no error in the partial code segment.

<..... name="x" value="x">

<..... name="y" value="y">

<..... name="z" value="z">

Select one:

- ☐ 1 option only
- ☐ 1, 2 or 3 options
- ☐ 0 or 1 option only
- ☐ 0, 1, 2, or all 3 options

Determine what is the html content which will be created in "a" after executing the following statement. Assume there is no error in the code segment.

```
var a = document.createElement("p");  
var b = document.createTextNode("p");  
a.appendChild(b);
```

Select one:

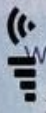
- ☐ It will create a tree structure containing 2 html elements. One is a paragraph and the other is a textbox.
- ☐ It will create a textbox object in variable "b" with the textbox content "p".
- ☐ It will concatenate the content of the 2 html objects represented by "a" and "b". The final content will be "pp".
- ☐ It will create a paragraph object containing "<p>p</p>".

Where should the javascript code be placed within a html code.?

Select one:

- ☐ before the <body> section
- ☐ anywhere within the <html> section
- ☐ after the <body> section
- ☐ after the <head> section





Which of the following statements best describe the following code?

```
function xyz() {  
  var x1 = document.getElementById("x2").value;  
  
  if (x1.trim() == "") {  
    document.getElementById("x3").innerHTML = "msg1";  
    return false;  
  } else {  
    document.getElementById("x3").innerHTML = "";  
    return true;  
  }  
}
```

Select one:

- ☐ If the content of the html element x2, after trimming the empty spaces, is empty , display "msg1" in another html element x3. The message "msg1" will remain even if the content is not empty.
- ☐ If the content of the html element x2 is empty , display "msg1" in another html element x3. If it is not empty clear the content of the html element x3.
- ☐ If the content of the html element x1, after trimming the empty spaces, is empty , display "msg1" in another html element x3. If it is not empty clear the content of the html element x3.
- ☐ None of these answers.

Which of the following is a valid input for a textbox with the following pattern?

pattern="^[aAeK]{2}*[5-7]\$"

Select one:

- ☐ AK*6
- ☐ A*67
- ☐ eKa57
- ☐ None of these answers

Which of the following is true about the following statement?

`onChange="abc()"`

Select one:

- ☐ This is an event attach to a textbox. When the user leave the textbox, with a new content it will call a javascript function `abc()`.
- ☐ This is an event attach to a textbox. When the user leave the textbox, with an old content it will call a javascript function `abc()`.
- ☐ This is an event attach to a textbox. as the user type in the textbox to change the content, it will call a javascript function `abc()`.
- ☐ None of these answers