



Working with Form Validation

- Form validation is a process by which the server or user's browser checks a form for data entry errors
- With server-side validation, a form is sent to the Web server for checking
- In client-side validation, the Web browser checks the form, which is not submitted to the server until it passes inspection

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Working with Form Validation

- · Submitting a Form
 - To control this submission process, JavaScript provides the onsubmit event handler

formobj.onsubmit = function;

 If the function returns a value of false, the submit event is cancelled, while a value of true allows the submit event to continue unabated

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Working with Form Validation

- · Alerting the user
 - An alert box is a dialog box that displays an informative message to the user along with an OK button

alert(message



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Working with Text Strings

- · The string object
 - JavaScript treats each text string as an object called a string object
 - The most common way to create a string object is to assign a text string to a variable
 - You can also create a string object using the object constructor

stringVariable = new String("text")

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Working with Text Strings

- · Calculating the length of a text string
 - The following code calculates the number of characters in the stringVar variable, storing the value 17 in the lengthValue variable

stringVar = "GPS-ware Products";
lengthValue = stringVar.length

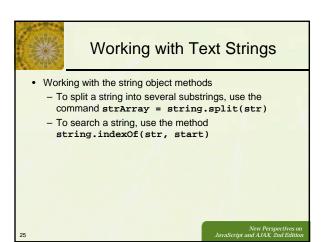
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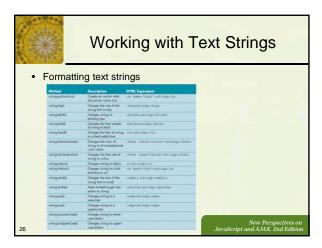


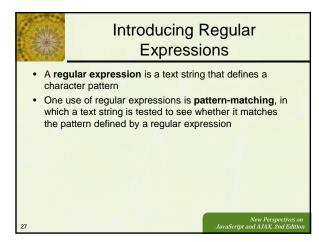
Working with Text Strings

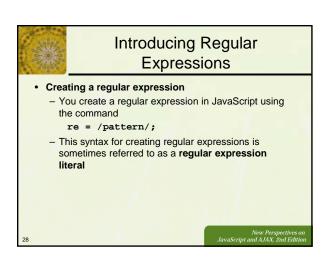
- · Working with the string object methods
 - To determine the number of characters in a text string, use the object property string.length
 - To extract a character from a text string, use the method string.charAt(i)
 - To extract a substring from a text string, use the method string.slice(start, end)

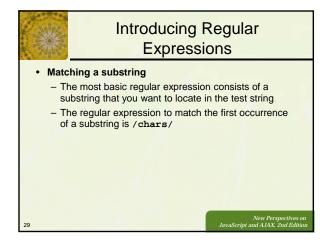
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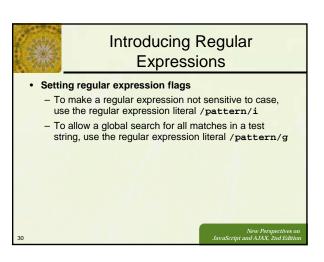


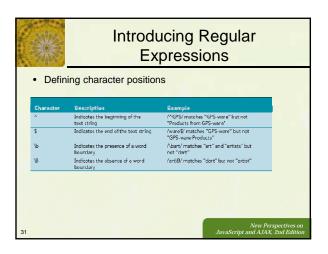


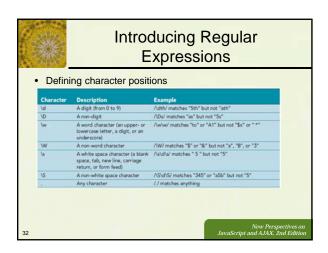


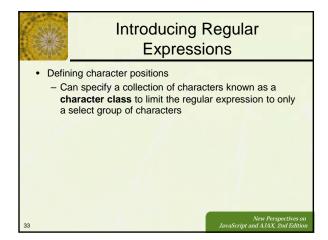


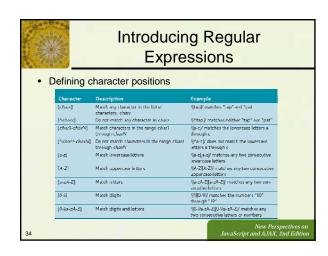


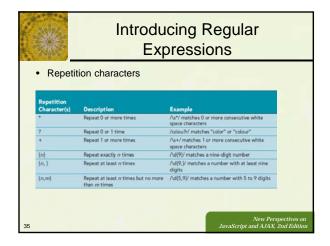


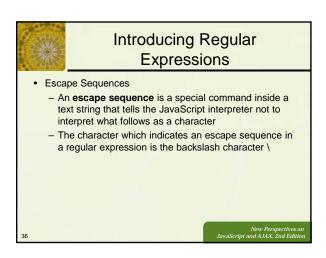


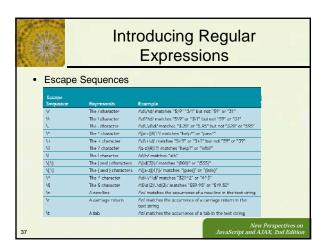


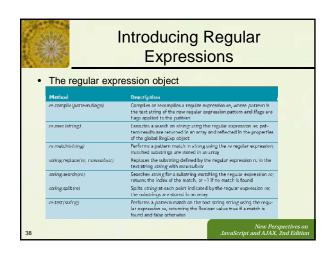


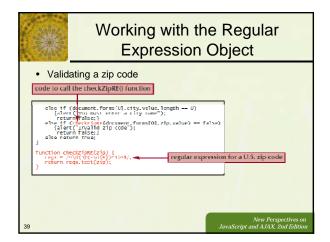


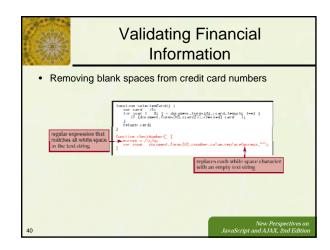


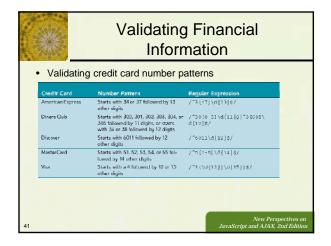


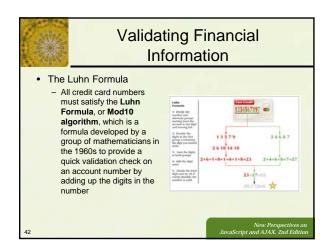














Passing Data Between Forms

- Appending Form Data
 - Text strings can be appended to any URL by adding the ? character to the Web address followed by the text string
 - · Use the get method
 - One property of the location object is the location.search property, which contains the text of any data appended to the URL, including the ? character

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Passing Data from a Form

- · Appending data to a URL
 - There are several limitations to the technique of appending data to a URL
 - URLs are limited in their length
 - Characters other than letters and numbers cannot be passed in the URL without modification
 - URLs cannot contain blank spaces, for example, a blank space is converted to the character code %20

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Passing Data from a Form

- · Appending and retrieving form data
 - Can use the technique of appending data to the URL with Web forms, too
 - Do this by setting a form's action attribute to the URL of the page to which you want to pass the data, and setting the method of the form to "get"

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Passing Data from a Form

- · Appending and retrieving form data
 - Use the location.search property and the slice() method to extract only the text string of the field names and values
 - Use the unescape() function to remove any escape sequences characters from the text string
 - Convert each occurrence of the + symbol to a blank space
 - Split the text string at every occurrence of an = or & character, storing the substrings into an array

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