JavaScript

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```
<body>
<form>
Name: <input type="text" /> <br />
E-mail: <input type="text" /> <br />
<input type="submit" value="Submit" />
</form>
<p>
<script type="text/javascript">
document.write("The form has "+document.forms[0].length+" elements.");
</script>
</p>
</body>
```

The elements of the form are here

The number of elements in the form is printed on the page

Form Lengths

Form 1

Name:

E-mail:

[Submit]

Form 2

Favorite Color:

Favorite Food:

[Reset]   [Submit]

Results

Form 1 has 3 elements.
Form 2 has 4 elements.

A variable is created to hold the form number (one more than its index number)

The loop to cycle through all the forms on the page begins

```
for(var count=0;count<document.forms.length;count++) {
    var formnum = count+1;
    document.write("Form "+formnum+" has "+document.forms[count].length);
    document.write(" elements.<br />");
}
```

The results are written on the page

With form name, do it with form id

```
<body>
<form name="info_form">          The form is given a name
Name: <input type="text" /><br />
<input type="submit" />
</form>                                        The number of elements in the
<p>                                           named form is written on the page
<script type="text/javascript">
  document.write("The form has "+document.info_form.length+" elements.");
</script>
</p>
</body>
```

Action property

```
<body>
<form name="info_form" action="http://someplace.com/php/form.php">
Name: <input type="text" /><br />
<input type="submit" />
</form>
<p>
<script type="text/javascript">
  document.write("The form goes to "+document.info_form.action);
</script>
</p>
</body>
```

The value of the action property
is written on the page

The checked Property

```
<body>
<form>
Check box to say Yes: <input type="checkbox" id="yes_no">
<br /><br />
<input type="button" value= "See the Answer" onclick="is_it_checked();" />
</form>
<script type="text/javascript">
  function is_it_checked() {
    var y_n = document.getElementById("yes_no");
    if (y_n.checked) {
      window.alert("Yes! The box is checked!");
    }
    else {
      window.alert("No, the box is not checked!");
    }
  }
</script>
</body>
```

The check box is given an id

The button starts the function to check the state of the check box

The condition of the check box is checked using the checked property

Properties of the Form Object

Property	Value
action	The value of the action attribute in the HTML form tag
elements	An array that includes an array element for each form element in an HTML form
encoding	The value of the enctype attribute, which varies with different browsers
length	The value of the total number of elements in an HTML form
method	The value of the method attribute in an HTML form tag
name	The value of the name attribute in an HTML form tag
target	The value of the target attribute in an HTML form tag

Form Elements with Their Objects and Methods

Element Type	Object Name	Properties	Methods
Button	button	form, name, type, value	blur(), click(), focus()
Check box	checkbox	checked, defaultChecked, form, name, type, value	blur(), click(), focus()
Hidden field	hidden	form, name, type, value	None
Radio button	radio	checked, defaultChecked, form, name, type, value	blur(), click(), focus()
Reset button	reset	form, name, type, value	blur(), click(), focus()
Select box	select	form, name, options, selectedIndex, type	blur(), focus()
Submit button	submit	form, name, type, value	blur(), click(), focus()
Text box	text	defaultValue, form, name, type, value	blur(), focus(), select()
Text area	textarea	defaultValue, form, name, type, value	blur(), focus(), select()