**Forms**

* Forms are a very common method of interacting with a web page.
* The **<form>** element contains form controls such as input fields, select menus and buttons.

**Accessing Form Elements**

* The legacy DOM had a useful property called ***document.forms*** that returns an HTML collection of all the forms in the document in the order they appear in the markup.
* Even though is one form a collection will be still returned.



* This is the equivalent of using the following method:



* Instead of using a numerical index, we can use the name attribute to identify a form:



* Consider using this if the form has the name same as one of its properties or methods.



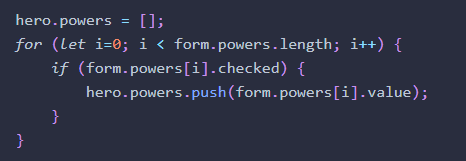
* We can actually stop the form from being submitted to that URL altogether by using the ***preventDefault( )*** method

**Input Fields**

* Text Input Fields => type=”text”
* Password Input Fields => type=”password”

**Checkbox Input Fields**

* We can then iterate over this collection using a **for loop** to see if each checkbox was checked. Checkbox objects have a **checked property** that tells us if it has been checked or not. It is a boolean property, so can only have the values **true or false**



**File Input Fields**

* A file input field can be created using input fields with **type='file'**. These are used to upload files, and most browsers will provide a browse button or similar that lets users select a file from their file system.

[**The Constraint Validation API**](https://developer.mozilla.org/en-US/docs/Learn/Forms/Form_validation#the_constraint_validation_api)

Most browsers support the [Constraint Validation API](https://developer.mozilla.org/en-US/docs/Web/API/Constraint_validation), which consists of a set of methods and properties available on the following form element DOM interfaces:

* [**HTMLButtonElement**](https://developer.mozilla.org/en-US/docs/Web/API/HTMLButtonElement) (represents a [<button>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/button) element)
* [**HTMLFieldSetElement**](https://developer.mozilla.org/en-US/docs/Web/API/HTMLFieldSetElement) (represents a [<fieldset>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/fieldset) element)
* [**HTMLInputElement**](https://developer.mozilla.org/en-US/docs/Web/API/HTMLInputElement) (represents an [<input>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/input) element)
* [**HTMLOutputElement**](https://developer.mozilla.org/en-US/docs/Web/API/HTMLOutputElement) (represents an [<output>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/output) element)
* [**HTMLSelectElement**](https://developer.mozilla.org/en-US/docs/Web/API/HTMLSelectElement) (represents a [<select>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/select) element)
* [**HTMLTextAreaElement**](https://developer.mozilla.org/en-US/docs/Web/API/HTMLTextAreaElement) (represents a [<textarea>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/textarea) element)