

# Exercise 10

## MORE HTML ELEMENTS

We use different HTML elements for different purposes: `<h1>` tags, perhaps, for section headings, `<p>` tags for paragraphs of text, etc. In this exercise, we've got two goals:

1. learn more HTML tags
2. learn how to get to these using `document.querySelector`

We'll start by learning about three new HTML elements: `<header>`, `<main>`, and `<output>`.

HTML Element	Purpose
<code>&lt;header&gt;&lt;/header&gt;</code>	Defines a header for a document or section
<code>&lt;main&gt;&lt;/main&gt;</code>	Specifies the main content of a document
<code>&lt;output&gt;&lt;/output&gt;</code>	Defines the result of a calculation

You can see examples of them in use in the `index.html` file of **Exercise 10**. You might wonder what the purpose for using a `<main>` element is at all. It doesn't seem to do anything other than provide an element to nest others within. But that *is* the point of it. Remember that CSS stands for *Cascading* Stylesheets. Using a parent element of `<main>` allows me to style all the contents within that element.

"But!", you may say, "there's neither a `class` nor an `id` associated with `<main>`. How can we access it?"

In CSS, you already know how to access elements by their `class` name or their `id`:

```
#title {}  
.grid {}
```

You can also access an element directly:

```
main {}
```

- Try this for yourself, setting the `font-family` to `Arial` for all nested elements of `main`.

When we first looked at `document.querySelector`, I said that it allows for passing in CSS-like selectors. We've just seen that we can specify a bare element (no `class`, no `id`) in CSS. Can we pass something like that into `querySelector`?

- I'm going to let you try that out. I've nested an `<output>` element inside a `<div>`. Your mission is to use JavaScript to calculate the total for a bill with 20% tip included and place that value within the `<output>` `</output>` tags.

If you're feeling inspired, use your imagination to style the rest of the page. As always, answers are provided — but don't go to them directly.