Section 5 - Quiz: Traversing the DOM

Question 1:
The DOM can be represented as a tree of nodes, and often we want to walk around these branches.

Which directions can we traverse the DOM?

-
    1. **Upwards**

    2. **Sideways**

    3. **Downwards**

-
    1. **Upwards**

    2. **Downwards**

-
    1. **Upwards**

    2. **Sideways**

Answer: A

Question 2:
What are nodes often compared to?

-
    The nodes in the DOM are referred to as branches, and there is only one type of branch, being an element node.

-

The nodes in the DOM are referred to as parents, children, and siblings, depending on their relation to other nodes.

- Nodes are referred to as HTML elements, because they represent each and every HTML element in the DOM tree.

Answer: B

Question 3:
What is **true** about this block of code?
```
1.  <body>
2.      <div>
3.          <h1>Keep going</h1>
4.          <h2>Stay motivated</h2>
5.      </div>
6.      <p> Slowly slowly catch a monkey </p>
7.  </body>
```

- **body** is the parent of **\<div\>**, **\<h1\>** and **\<h2\>** elements

- The **\<p\>** element is the child of the **\<div\>** element

- **\<h1\>** and **\<h2\>** are siblings.

Answer: C

Question 4:
What is a similarity between sibling methods and children methods?

- Both siblings and children have a set of methods that allow us to find an element with either the ID of that element, or its class name.

- Both siblings and children have a set of methods that allow us to traverse all nodes, and a set of methods that allow us to traverse only element nodes.

- They both allow us to traverse UP the DOM tree, but not down.

Question 5:

Which of the below methods is NOT a valid method to find a child of a node?

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lastChild

- **firstElementChild**

- **childrenNodes**

- **childNodes**

Answer: C

Question 6:
When you access the children property on a parent, you get returned a collection of the child elements the parent has.

For example, let's take this code:

```
1.  <body>
2.      <ul >
3.          <li >Item 1</li >
4.          <li >Item 2</li >
5.      </ul >
6.  </body>
```

If we use the children property on the <ul> tag, we will get returned to us:

`▶ HTMLCollection(2) [li, li]`

Question: is this collection the same as a JavaScript Array?

- **Yes.**

- **No.**

Answer: B