Walking the DOM

1. Given these html structures, by clicking the highlighted nodes show the tag and id of:
   1. The father
   2. All the siblings
   3. The previous sibling
   4. The next sibling
   5. The grandfather
   6. Grandfather's siblings
   7. Father's siblings
   8. Cousins
   9. Children
   10. Grandchildren

The aim of the exercise is to traverse the DOM dynamically without knowing whether what we are looking for exists or not.

Therefore, if the node to be searched for does not exist, an appropriate message should be displayed, without any error occurring.

HTML 1:
```
<div id="grandfather">
    <h2>Grandfather</h2>
    <div id="father1">
        <h3>Father1</h3>
        <div id="child1">
            <h4>Child 1</h4>
        </div>
        <div id="child2">
            <h4>Child 2</h4>
            <div id="grandchild1">
                <h5>Grandchild 1</h5>
            </div>
            <div id="grandchild2">
                <h5>Grandchild 2</h5>
            </div>
        </div>
    </div>
    <div id="faher2">
        <h3>Father2</h3>
        <div id="child3">
            <h4>Child 3</h4>
        </div>
    </div>
</div>
```

HTML 2:

```html
<table>
    <tr id="header">
        <th>Name</th>
        <th>Address</th>
        <th>Age</th>
    </tr>
    <tr id="person1">
        <td>Jon</td>
        <td>Dover</td>
        <td>2</td>
    </tr>
    <tr id="person2">
        <td>Mike</td>
        <td>Manchester</td>
        <td>33</td>
    </tr>
    <tr id="person3">
        <td>Tom</td>
        <td>London</td>
        <td>6</td>
    </tr>
    <tr id="person4">
        <td>Jerry</td>
        <td>Dalkey</td>
        <td>6</td>
    </tr>
</table>
```

2. Make a function that goes through a list of **links** and, depending on the type of linked file (its extension), adds an image or icon next to the text of the link that represents it.

3. Create a function that traverses the **entire DOM** from the body tag looking for the word "sex" or some other word from a list of taboo words.

4. The text node where the word you are looking for appears must be replaced with "Blocked content", in bold type.

5. Create an **image** viewer, to do this, an image will be displayed on your page, along with two buttons "Next" and "Previous".