

Tasks for interview

Rules

You are not allowed to use any third party frameworks like jquery, underscore or others. The code you provide must be without any dependencies with vanilla javascript or typescript.

Task 1

Consider the following DOM:

```
<body>
  <div id="content">
    <span>Some text</span>
  </div>
</body>
```

A new element: `<div id="newElement"></div>` will be appended in the div with id `content` at a random time after the page load. The time can be between 1 - 1800 seconds.

Your task is to change the text color of the span element with content "Some text" to red when the new element has been spawned on the page.

Task 2

Consider these urls as inputs to a function you will make.

```
const urls = [
  'https://www.example.com/public/12765/assets/images/thumbs/5/40_40/image1.jpg',
  'https://www.example.com/private/assets/76345/images/thumbs/12/42_46/image2.jpg',
  'https://www.example.com/protected/assets/images/35678/thumbs/100/35_40/image3.jpg'
]
```

Your function should parse all the urls and return this as a result:

```
const output = [ 12765, 76345, 35678 ]
```

Task 3

Consider the following DOM:

```
<body>
  <div id="content">
    <span>Some text inside an iframe</span>
  </div>
</body>
```

The catch is that this html is inside an iframe (`<iframe id="widgetIframe" src="widget.html"></iframe>`).

How can you get the text of the span element?

Task 4

For this task you are not allowed to use `innerHTML` or `outerHTML`.

You have to construct the following html entirely in javascript:

```
<div id="article">
  <h3>Great News</h3>
  <div>
    Lorem ipsum dolor sit amet...
  </div>
</div>
```

```
<button>Read Article</button>
</div>
</div>
```

Also: * Add a click event on the button that console.logs out README, when clicked. * Do not render this html to the DOM

Task 5

In this task you have to create a function that returns the name and wage of the person you request.

This function needs to work even if the object should get deeper or shallower. The function you create needs to return the object when the name is provided.

Example of return from function: { name: 'John Doe', wage: 700000 } or { name: 'Johan Rufus', wage: 460000}

Your function should only take one input parameter, which is the name of the employee you want to find.

This is the data object you should work with:

```
const hierarchy = {

  salesDepartment: {

    leader: {
      name: 'John Doe',
      wage: 700000,

      assistant: {
        name: 'Jane Doe',
        wage: 200000
      },
    },

    sellers: [
      {
        name: 'Maximillian Kuvi',
        wage: 300000
      },

      {
        name: 'Olav Ityr',
        wage: 330000
      },

      {
        name: 'Scot Sheila',
        wage: 380000
      },
    ]
  },

  techDepartment: {

    head: {
      name: 'Mats Eilert',
      wage: 800000,

      assistant: {
        name: 'Karina Boury',
        wage: 360000,

        HRContact: {
          name: 'Johan Rufus',
          wage: 460000
        }
      },
    },

    developers: [
      {
        name: 'Hagop Darren',
        wage: 340000
      },

      {
        name: 'Fredrik Sverre',
        wage: 430000
      },
    ],
  },
}
```

```
{
  name: 'Crystal Manolo',
  wage: 680000
}
]
```