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Matricule: LMUI-24SWE287

Question

1. What will the following regex expression return from the following words?

```
Expression / ([a-e])\w+/g
"Hope you enjoy JavaScript"
```

Answer

1. The regex expression returns an array containing a value "enjoy" since it's only the word "enjoy" that has the first letter between a and e(inclusive) and w+ returns the rest of the letters.

   Result: **["enjoy"]**

Question

2. Are cookies part of the document object?

Answer

2. Yes, cookies are part of the document object. Cookies are accessed through the document object.

Question

3. What will the following code do to a JavaScript cookie?

```javascript
const mydate = new Date();
mydate.setTime(mydate.getTime() - 1);
document.cookie = "username=; expires=" + mydate.toGMTString();
```

Answer

3. The JavaScript code deletes a cookie named username.

Explanation: The 1st line of code creates a new Date object which represents the current time. Since the time is measured in milliseconds the 2nd line of code moves the time 1 millisecond backward and that's definitely the past. Thus, the date expires immediately. The 3rd line of code sets the username cookie to an empty string and sets the expiration date to the past so, the browser deletes it.

Question

4. What is the output in the console from the following code?

```javascript
const a = "hello world";
(function () {
    const a = "JavaScript";
})();
console.log(a);
```

Answer

4. Output: hello world

Question

5. What is the output in the console from the following code?

```html
<script>
"use strict";
myFun();
console.log(a);
function myFun() {
    a = "Hello World";
}
</script>
```

Answer

5. The output in the console is a **reference error** since we used the strict mode.

Question

6. What is the output of the following code?

```javascript
console.log("a");
setTimeout(() => {
    console.log("b");
}, 0);
console.log("c");
```

Answer

6. Output:

a

b

c