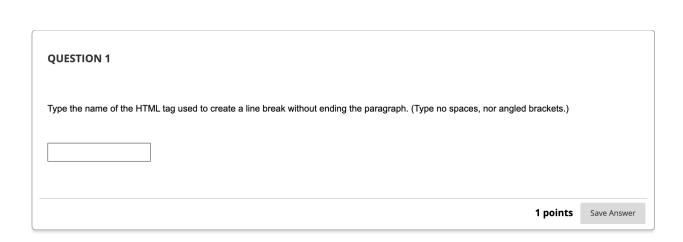
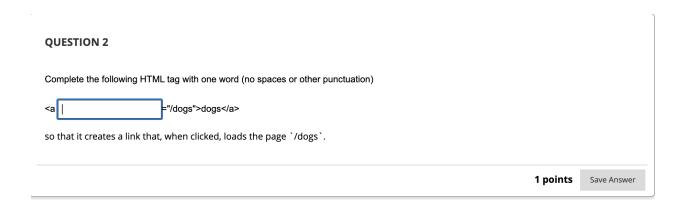
MSc Mock: ChatGBT answers:



The HTML tag used to create a line break without ending the paragraph is "br".



The word to complete the HTML tag is "href". This attribute specifies the URL of the page the link goes to.

QUESTION 5	
Which of the following is not a property of the CSS Box Model? column padding margin border	
	1 points Save Answer

The property that is not a part of the CSS Box Model is "column". The CSS Box Model consists of padding, margin, and border, but not "column".

QUESTION 6	
Which of the following CSS rules is <i>not</i> correct?	
O tag { property: value }	
○ \$div { property: value }	
○ .class { property: value }	
○ #id { property: value }	
	1 points Save Answer

The incorrect CSS rule among the options is "\$div { property: value }". In CSS, selectors for elements are specified by their type (e.g., div, p) without any prefix, class selectors are prefixed with a period (.), and id selectors are prefixed with a hash (#). There is no "\$" prefix used in standard CSS syntax.

Are the fo	llowing	statements about JavaScript variables true or false?	
•	~	Variables with block scope are declared using the let keyword.	
•	~	The keyword const is used to to declare variables that you should not change after they are assigned.	
•	~	A variable declared outside a function definition using the let keyword is a global variable.	
•	~	A variable declared outside a function definition using the var keyword is a global variable.	

The statement that is false in the list provided about JavaScript variables is:

• A variable declared outside a function definition using the let keyword is a global variable.

This statement is incorrect because a variable declared with the let keyword outside of a function, but within a script or a module, has a global scope only in that script or module, not universally as traditional global variables defined with var. If let is used in the global scope in a browser environment, it creates a script-scoped global variable, which is different from a traditional global variable defined with var that becomes a property of the global window object.

QUESTION 8		
Type the output logged to the console when the following code is run. (Do not type any spaces.)		
var x; console.log(typeof(x));		
	1 points	Save Answer

When the JavaScript code provided is run:

```
javascriptCopy code
var x;
console.log(typeof(x));
```

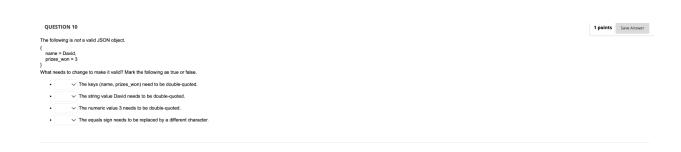
The output logged to the console will be <u>undefined</u>. This is because the variable x is declared but not assigned any value, so its type is <u>undefined</u>.

QUESTION 9 Given the following JavaScript object, which of the following expressions cannot be used to determine whether the object has the property description? let flowers = { type: "Spring flowers", region: "Europe", examples: [name: "Monkey Orchid". appears: "April", colour: "lilac", habitat: "Dry, sunny grasslands on hills" name: "Common Rock-Rose", appears: "April", colour: "Yellow", habitat: "Forests, dry grasslands, waysides" name: "Star of Bethlehem", appears: "May", colour: "White", habitat: "Cultivated land, vines, grass lands" name: "Field Poppy", appears: "May", colour: "Red", habitat: "Along walls, hedges, paths" ○ flowers.hasOwnProperty("description"); ○ if (flowers.description != undefined) { return true; if ('description' in flowers) { return true; O flowers.contains(description);

The expression that **cannot** be used to determine whether the JavaScript object flowers has the property description is:

flowers.contains(description);

This expression is incorrect because the **contains** method does not exist for JavaScript objects. This method is typically used with strings or arrays, not object properties. The other expressions (**flowers.hasOwnProperty("description"**), **if** (**flowers.description** != undefined), and **if** ('description' in flowers) are all valid ways to check if the object has a property called **description**.



In JSON syntax, it's important to format the keys and values correctly:

- 1. **True**: The keys (name, prizes_won) need to be double-quoted. JSON keys must always be in double quotes.
- 2. **True**: The string value **pavid** needs to be double-quoted. In JSON, string values must be enclosed in double quotes.
- 3. **False**: The numeric value 3 does not need to be double-quoted. In JSON, numbers are used as is, without quotes.
- 4. **True**: The equals sign needs to be replaced by a colon. In JSON, key-value pairs are separated by a colon, not an equals sign.

These changes will make the provided text a valid JSON object.