DOM (Document Object Model) Questions

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Question 1:

In Document Object Model (DOM), all the properties, methods and events that are available to a web developer for manipulating and creating web pages are organised into:

Answer (Detailed Solution Below)

Option 2 : Objects

DOM (Document Object Model) Question 1 Detailed Solution

Answer : Option 2

Explanation :

- The Document Object Model is an interface for HTML and XML Documents.
- It defines a way in which a web document can be accessedand represented as a tree.
- In this Tree Representation of DOM defines elements of a document as Objects.
- With DOM

  - can change Structure of Document Page.
  - can change the visual representation of the document page.
  - can also change/redefine the behavior of the document page.

For example -

1. document.body : returns the body object
2. document.images:returns an array of all the image objects
3. document.links: returns an array of all the link objects
4. document.forms:returns an array of all the form objects

Question 2:

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DOM represents a webpage in what way?

Answer (Detailed Solution Below)

Option 3 : Tree-like structure

DOM (Document Object Model) Question 2 Detailed Solution

Concept:

Document Object Model, **documents have a logical structure which is very much like a tree;** to be more precise, it is like a "forest" or "grove" which can contain more than one tree. However, the Document Object Model does not specify that documents be *implemented* as a tree or a grove , nor does it specify how the relationships among objects be implemented in any way. In other words, the object model specifies the logical model for the programming interface, and this logical model may be implemented in any way that a particular implementation finds convenient.

As an object model, the Document Object Model identifies:

- the interfaces and objects used to represent and manipulate a document
- the semantics of these interfaces and objects - including both behavior and attributes
- the relationships and collaborations among these interfaces and objects

Hence Option 3 is correct

Question 3:

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What is the topmost object in JavascriptDOM?

What is the topmost object in JavaScriptDOM?

Answer (Detailed Solution Below)

Option 1 : Navigator

DOM (Document Object Model) Question 3 Detailed Solution

The HTML object (i.e, the collection of webpage elements), which belongs to the DOM, have a descending relationship with each other

The topmost object in the DOM is **the navigator** itself.

The next level in the DOM is the browser's **window** .

The next level in the DOM is the **document** displayed in the browser's window.

Form coded in HTML document then the next level in the DOM is the form itself

Therefore Option 1 is correct

Question 4:

Which of the following object is used to accessinformation about the browsers that is executing the current script?

Answer (Detailed Solution Below)

Option 2 :

Navigator

DOM (Document Object Model) Question 4 Detailed Solution

Navigator

To accessinformation about the browser that is executing the current script

Window

To accessa browser window or a frame with in window. The window object is assumedto existsand does not require the window prefix

Document

To accessthe document currently loaded into a window

Location

To represent a URL. It can be used to create a URL object accessparts of a URL or modify an existing URL

Therefore Option 2 is correct