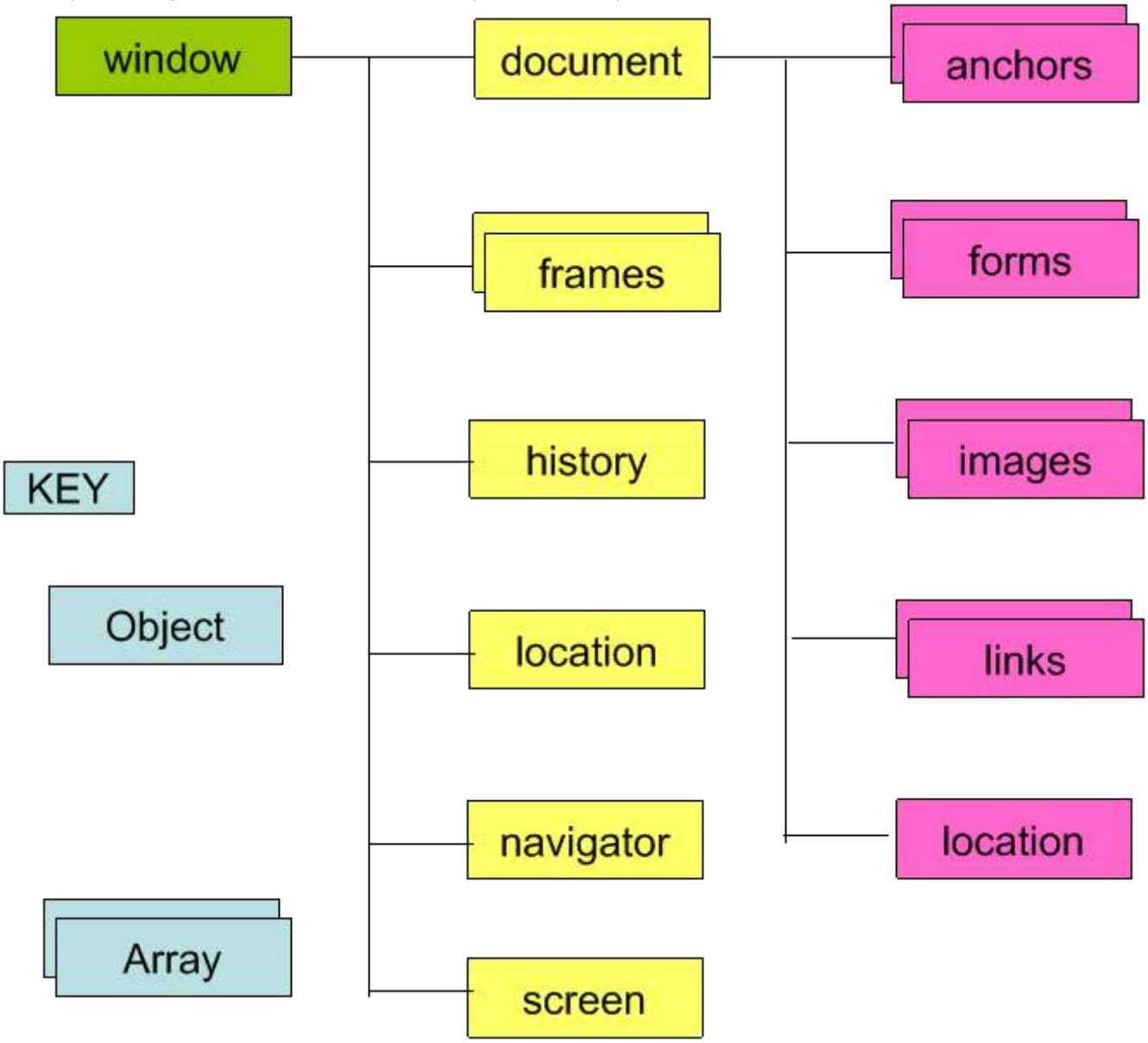
Chapter 48: BOM (Browser Object Model)

Section 48.1: Introduction

The BOM (Browser Object Model) contains objects that represent the current browser window and components; objects that model things like *history, device's screen,* etc

The topmost object in BOM is the `window` object, which represents the current browser window or tab.



- **Document:** represents current web page.
- **History:** represents pages in browser history.
- **Location:** represents URL of current page.
- **Navigator:** represents information about browser.
- **Screen:** represents device's display information.

Section 48.2: Window Object Properties

The Window Object contains the following properties.

Property	Description
window.closed	Whether the window has been closed

window.length	Number of `<iframe>` elements in window
window.name	Gets or sets the name of the window
window.innerHeight	Height of window
window.innerWidth	Width of window
window.screenX	X-coordinate of pointer, relative to top left corner of screen
window.screenY	Y-coordinate of pointer, relative to top left corner of screen
window.location	Current URL of window object (or local file path)
window.history	Reference to history object for browser window or tab.
window.screen	Reference to screen object
window.pageXOffset	Distance document has been scrolled horizontally
window.pageYOffset	Distance document has been scrolled vertically

Section 48.3: Window Object Methods

The most important object in the `Browser Object Model` is the window object. It helps in accessing information about the browser and its components. To access these features, it has various methods and properties.

Method	Description
window.alert()	Creates dialog box with message and an OK button
window.blur()	Remove focus from window
window.close()	Closes a browser window
window.confirm()	Creates dialog box with message, an OK button and a cancel button
window.getComputedStyle()	Get CSS styles applied to an element
window.moveTo(x,y)	Move a window's left and top edge to supplied coordinates
window.open()	Opens new browser window with URL specified as parameter
window.print()	Tells browser that user wants to print contents of current page
window.prompt()	Creates dialog box for retrieving user input
window.scrollBy()	Scrolls the document by the specified number of pixels
window.scrollTo()	Scrolls the document to the specified coordinates
window.setInterval()	Do something repeatedly at specified intervals
window.setTimeout()	Do something after a specified amount of time
window.stop()	Stop window from loading