**ACTIVITY 1**

* Of what use is the DOM syntax?

The Document Object Model is an Application Programming Interface (API) for HTML and XML documents. It does two things for web developers:

* + Provides a structural representation of the document.
  + Defines the way that that structure is to be accessed from script.
* How does the DOM syntax allow you to write JavaScript code for your websites?
  + It allows you to get at the web page as a structured group of nodes. Essentially, it connects web pages to scripts or programming languages.
  + The JavaScript syntax has to do with objects. To access an object, property, or method, its reference must include every object that contains it, separated by a dot. This is called the "dot syntax".
* Write some pseudocode (fake code) to write JavaScript on to a button.
  + window.document.form.textarea

the above writes code to a submit button on a form.

* Explain in simple terms the purpose of JavaScript.
  + JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive. Where HTML and CSS are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user.