Javascript Exercises

1. What is the difference between the following 2 statements? setTimeout(booyah, 2000); setTimeout(booyah(), 2000);

Ans

In setTimeout(booyah,2000) run a function after the interval of time , And here booyah() runs the function, and the *result of its execution* is passed to setTimeout. In our case the result of booyah() is undefined (the function returns nothing), so nothing is scheduled.

2. What do the following 2 alerts display (answer without running the code)?

var myfunc = function(a, x) {

return a \* x; };

var x = myfunc(2, 3);

var y = myfunc;

alert(x);

alert(y(2,3));

Ans

alert(x); //out put =6

alert(y(2,3)); // out put=6

3. Write functions booyah1 and booyah2 so that in both cases below, an alert box comes up after 2 seconds that says “BOOYAH!” setTimeout(booyah1, 2000); setTimeout(booyah2(), 2000);

Ans

function booyah1(){

alert(“BOOYAH!” )

}

setTimeout(booyah1, 2000);

function booyah2(){

alert((“BOOYAH!” );

}

setTimeout(booyah2(), 2000);

4. What is "Unobtrusive Javascript"? What is the practical application of Unobtrusive Javascript (and the reasons for using it)?

Ans

Unobstrusive javascript is separation of web sites in 3 major categories

content (HTML) - what is it?

presentation (CSS) - how does it look?

behavior (JavaScript) - how does it respond to user interaction?

Eg –

<button id='btn' onclick="changeText();">Click me!</button>

<input id="output" type="text" value="replace me" />

function changeText() {

let textbox = document.getElementById("output");

textbox.value = "Hello, world!";

}

JavaScript code is not embedded into HTML, thus making it easy to update or upgrade the code.

Stability

Unobtrusive JavaScript generates less error messages. The web page will always display all the content from the static markup and CSS even if the script fails to run.

Graceful Degradation and Progressive Enhancement

If any feature is not supported by the browser, then the code should silently turn off that feature instead of throwing an error message. Similarly, if more advanced versions of a feature are available, the code should use the upgraded features to give the user an experience as per the browser advancement.

Cleaner Global Scope

The global scope or the window scope will stay clean of unnecessary or unwanted objects, properties, functions and variables. The unobtrusive way is to have a single point of entry into the application's data using namespaces.