Javascript Exercises

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

1. setTimeout(booyah, 2000); Only in this case setTimeout function will work.
   setTimeout(booyah(), 2000) in this case we cannot pass setTimeout the function booyah
   because booyah is undefined since it returns nothing.

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));

2. it will alert 6 twice

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);

3.
```
function myfunc() {
   setTimeout(booyah1, 2000);
   document.getElementById("output").innerHTML = "Wait for it...";
   setTimeout(function () {
      booyah2()
   }, 2000);
   document.getElementById("output2").innerHTML = "Wait for it...";
}

function booyah1() {
   document.getElementById("output").innerHTML = "BOOYAH!";
}

function booyah2() {
   document.getElementById("output2").innerHTML = "BOOYAH!";
}
```

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

4. Unobtrusive Javascript - Separation of functionality from a Web page's structure/content (html) and presentation (css). The reason of using unobtrusive javascript is to make the code cleaner and script maintenance easier, to prevent browser incompatibilities.