Javascript Exercises

1. What is the difference between the following 2 statements?

   - `setTimeout(booyah,2000);` *this one executes the booyah function after 2seconds continuously in an infinite loop.*
   - `setTimeout(booyah(), 2000);` *this one executes the booyah function only once.*

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);` *this displays 6, because it is directly executing the anonymous function with input 2 and 3 which results in 2*3=6 and assigns the result of the function execution to the variable x.*
   - `alert(y(2,3));` *this displays also 6, because this is the same as*
     *var y =function(a, x){return a*x;}; and substituting a=2 and x=3 result in 2*3=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);

   function booyah1(){
   alert("BOOYAH");
    }
   function booyah2{
    setTimeout(booyah1,2000);
   }
   ```

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

   Unconstructive Javascript is the best practice for attaching Javascript to front-end website. This keeps content(html) and behavior (JS) separated for a better understanding and overview of the code and functionality.
   Advantages of this approach is that :
   - *We can use Js to modify CSS(presentation layer or view).*
   - *This supports the MVC model where model is the html content file which is being controlled by the Js(Controller) and the view or presentation is modified using CSS.*