1, **Booyah** - calls the function waiting the delay time

booyah() - it calls the function immediately, rather than waiting the 2000ms!

2, in both cases an alert box comes up with 6

3, function delayMsg() {

    setTimeout(booyah, 2000);

    }

  function booyah1() {

    alert("BOOYAH!");

    }

  function booyah2() {

    alert("BOOYAH!");

     }

4,

    is the way of writing JavaScript language in which we properly separate Document Content and Script Content thus allowing us to make a clear distinction between them. Just as we should separate our structure and presentation by putting all CSS in a separate file and eschewing the use of style attributes or other such presentational mark-up, we should also separate our HTML structure and JavaScript behaviour

The idea of unobtrusive JavaScript is to turn old school design on its head: instead of making 100% JavaScript-powered, dynamic web pages make 100% regular, static web pages and then, almost as an afterthought, add an "also" layer of JavaScript.