JAVASCRIPT

**Does javascript has function overloading?**

**What are callback functions?**

In JavaScript, functions are first-class objects; that is, functions are of the type *Object* and they can be used in a first-class manner like any other object (String, Array, Number, etc.) since they are in fact objects themselves. They can be “stored in variables, passed as arguments to functions, created within functions, and returned from functions”

A callback function, also known as a higher-order function, is a function that is passed to another function (let’s call this other function “otherFunction”) as a parameter, and the callback function is called (or executed) inside the otherFunction.

Consider this common use of a callback function in jQuery:

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| --- | --- |
|  | //Note that the item in the click method's parameter is a function, not a variable.​ |
|  | ​//The item is a callback function |
|  | $("#btn\_1").click(function() { |
|  | alert("Btn 1 Clicked"); |
|  | }); |

When we pass a callback function as an argument to another function, we are only passing the function definition. We are not executing the function in the parameter.

|  |
| --- |
| // Make sure the callback is a function​ |
| if (typeof callback === "function") { |
| // Call it, since we have confirmed it is callable​ |
| callback(options); |
| } |

**What are closures?**