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**What are JavaScript functions?**

Functions are a big part of JavaScript. Functions enclose code that does a specific job. For the code to work, the function needs to be ‘called’, meaning something needs to cause the code to be put in action. There are some functions that are already built into JavaScript, but you can also create custom functions that fit your specific needs.

**How are JavaScript functions used?**

All functions are defined with the keyword “function” and have a name. Function names can have letters, numbers, underscores, and dollar signs in them. Functions can also have parameter names that are separated by commas. The actual code in the function is placed inside curly brackets. When the function is called the values, it receives are the arguments if the function, these arguments are variables. The code in a function will only play out when something happens. A user could click, the actual JavaScript code could call it, or it could be set to go off automatically.

**Why are JavaScript functions used?**

Functions are great if the code needs to be reused many times because it only needs to be defined once. Function save time and space within the code and usually make the code neater and therefore more readable. Functions are predictable and reliable and are easy to debug if errors arise.

**When should JavaScript functions be used?**

Functions are great for formulas and calculations. Functions should be used any time you have a repeated or complex block of code because functions are easy to maintain and will make the code much easier to read.

function assembleTeam(member1, member2, member3, member4 ) {

// Return new team as an array:

return `Team: [${member4}, ${member3}, ${member2}, ${member1}]`

}

// Invoke the "assembleTeam" function:

assembleTeam('Clark', 'Cindy', 'Joshua', 'Nate' )

Resources:

*JavaScript Functions* . JavaScript functions. (n.d.). Retrieved December 12, 2022, from <https://www.w3schools.com/js/js_functions.asp>