

Aspect	Higher-Order Function	Callback Function
Definition	A function that either accepts another function as an argument or returns a function.	A function passed as an argument to another function and executed later.
Purpose	Provides more abstract and reusable functionality by operating on functions.	Used to provide behavior or logic to be executed by the higher-order function.
Example Role	The function that accepts the callback or returns another function.	The function passed as an argument to a higher-order function.
Execution	The higher-order function determines when and how the callback is executed.	The callback is executed within the higher-order function.
Examples in JavaScript	<code>Array.prototype.map</code> , <code>filter</code> , <code>reduce</code> , and custom functions that operate on other functions.	Functions like <code>console.log</code> or user-defined ones passed to <code>map</code> , <code>filter</code> , etc.