**Callback Functions in JavaScript**

A callback is defined as a function passed as an argument to another function. They are critical to understand as they are used frequently in almost any JavaScript codebase and are essential to writing reusable code.

Imagine you created an algorithm that sorts an array of numbers. Then you encounter a situation where you want to sort an array of people by their age. One option is to re-write the algorithm to handle arrays of people. However, a far better way is to have this function accept a callback that is expected to return a number. Then you can keep the core algorithm the same, and the user of the function simply passes person => person.age as the 2nd parameter.