Working through these exercises really helped me understand how versatile and powerful JavaScript functions can be. I got to experiment with different ways to declare functions—like named, anonymous, and arrow functions—and saw firsthand how things like hoisting can affect when and how functions work. I also learned that in JavaScript, functions are treated as first-class citizens, which means I can pass them around just like variables. That opened the door to cool concepts like currying, closures, and IIFEs, which let me write cleaner and more modular code.

One of the most interesting parts was building a calculator and a counter using functional programming techniques. It showed me how I can keep data private and avoid polluting the global scope. I also got to practice writing in pointfree style, which made my code more readable and expressive. Overall, these tasks gave me a solid foundation in functional programming and showed me how to write JavaScript that's not just functional—but elegant and maintainable too.