Advance scope in JS

Hoisting :

Variable Hoisting

> Write a code snippet that demonstrates variable hoisting using `var`. Explain why the output is as it is.

Function Hoisting

> Write a code snippet that demonstrates function hoisting using a function declaration. Explain how function hoisting works.

Currying

> Write a function `add` that takes three arguments and returns their sum. Then, convert this function into a curried version that can be called like `add(1)(2)(3)`.

Closure

> Write a function `counter` that returns a function which, when called, increments and logs an internal counter variable. Demonstrate how the closure preserves the state of the counter variable between function calls.