Deep Copy VS Shallow Copy

Shallow copy :

A shallow copy occurs when you copy the reference of an object to a new variable through assignment operator “ = ”. In this process ,They Share the same memory address . This means that if you change the nested properties in one object, those changes will reflect in the other because they share the same memory reference

Deep Copy :

In this process ,They don’t Share the same memory address . This means that if you change the nested properties in one object, those changes will not reflect in the other because they don’t share the same memory reference.

The Become independent.

Hoisting:

Means a behavior of moving declarations not intializations to the top. So, you can use the variable before declaration .

Hoisting works with var only not let or const . If used with them , it gives ReferenceError.

Hoisting is (to many developers) an unknown or overlooked behavior of JavaScript.

If a developer doesn't understand hoisting, programs may contain bugs (errors).

To avoid bugs, always declare all variables at the beginning of every scope.