16.1-Scope Hoisting

Block 1

Code block 1 would present variable ‘a’ as undefined, which can be fixed by moving the variable above the console log command. The block will then hoist the foo function and return the number 2.

Block 2

Code block 2 would return the name Aurelio De Rosa once, since the value of obj.prop.fullName is inside the object and is not related to the variable ‘fullname’. The variable ‘test’ will cause an error, since it is a function that is being invoked without parenthesis.

Block 3

Code block 3 would log a as a number and b as a false boolean.

Block 4

Code block 4 would log 1 twice, as the function name ‘funcC’ was already used and functions cannot be changed.

Block 5

Code block 5 would log that d is undefined and that e is equal to 1. the variant d was not correctly assigned in function funcD1, but assigning it with let or const will keep it undefined.

Block 6

Code block 6 would simply log f as 1, since the variable f is in global scope and can be accessed by the function.