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Assignment 2.1

Web 430

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Javascript Modules

1. What is the purpose of access modifiers?

Access modifiers pertain to the access of content inside another function or file. While Javascript doesn’t have access modifiers, it uses the scope available to functions in order to simulate an access modifier.

1. What are the most commonly used access modifiers in a classical programming language?

In classical programming languages there are default, public, private and protected. While default and public are similar, the scope for private pertains only to the file it has been declared in. Thus private does not extend to other files for access. Protected access is possible to extend to other files but like in the case of Java, the files must be in the same package.

1. How are closures used to enforce “private and public” access?

Unlike some programming languages, Javascript functions form closures. Values can

have a public or private access depending on their hierarchy.

Reference List

MDN Web Docs. Closures, Accessed on 11 January 2021.

<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Closures>

Osamani Addy. “Javascript Design Patterns”, 2012