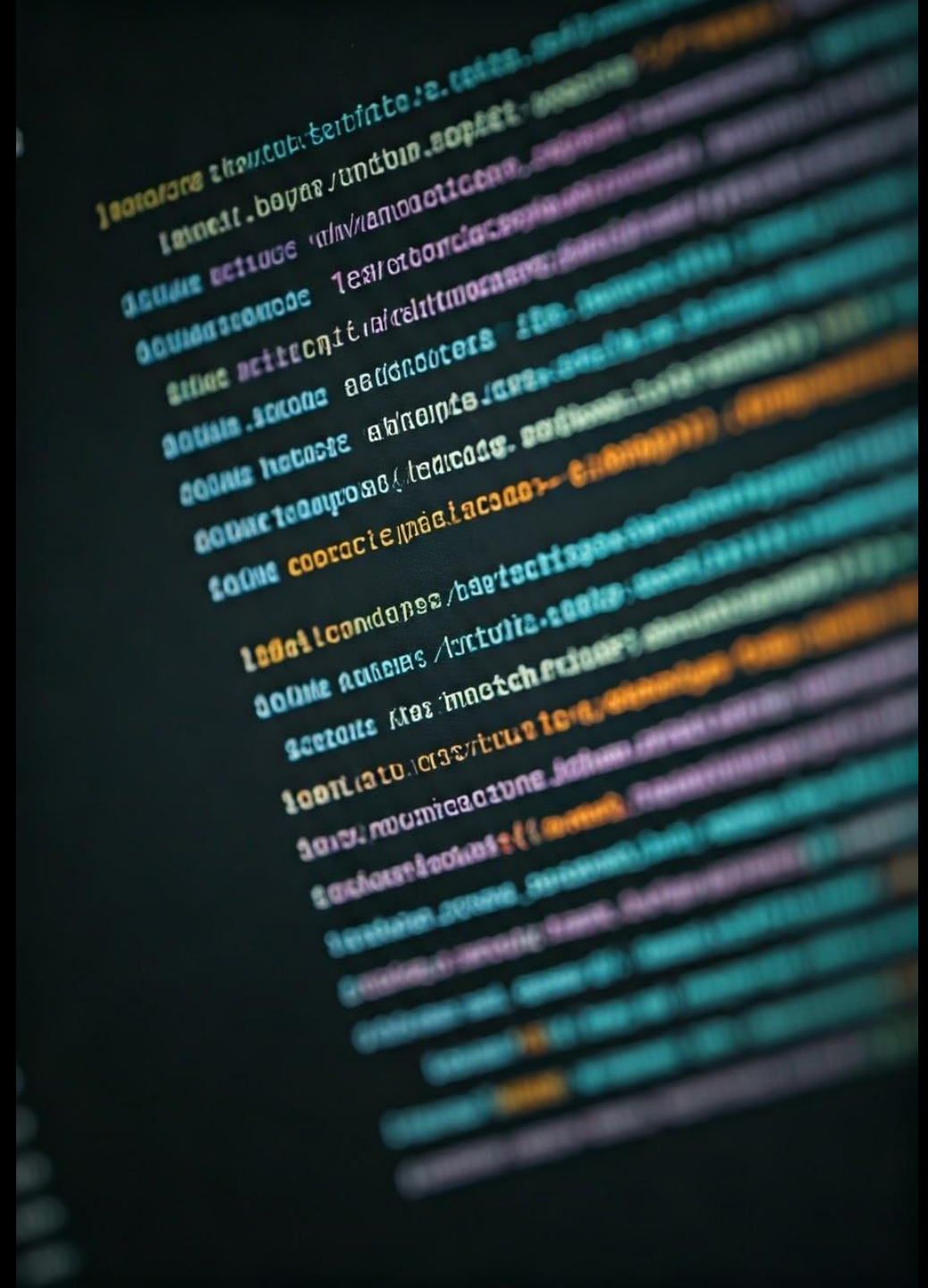# Understanding the Best Practices for Naming Variable in JavaScript, why Good Variable Naming is Important for Code Readability and Maintenance.

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Introduction

JavaScript is one of the most popular and widely used programming languages in the world right now. Therefore, they are ways/guidelines for naming variables.

What is a variable?

Variable in JavaScript is a named storage location in the computer's memory that holds a value. Think of it as a container with a label, where you can put data and retrieve it later using the label (variable name)

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The Best Practices for Naming Variables in JavaScript

Naming a variable you must follow industry standard naming system, and they are some guidelines to follow.

RULES/GUILDLINES

1. Don't start with a Number

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2. Don't use a dash

3. Don't use a symbol

4. Don't use a space

Industry Standard of Naming Variables

The best way of naming variable is to us the following methods; Pascal Case, camel Case and snake case.

PascalCase is a naming convention where the first letter of each word in variable, class or function is Capitalized and words are joined. Example: JohnsonOkoro

 camelCase is a naming convention where the first letters of the words in a variable are Capitalized except the first word, and words are joined. Example: johnsonNnannaOkoro

Snake_case is a naming convention where multiple words are combined by separating them with underscores and converting all letters to lowercase. Example: johnson_okoro

Conclusion

Good variable naming is important for code readability and maintenance because it enhances understanding , facilitate debugging, and promotes team collaboration. Meaningful names make it easier to grapes the purpose of a variable at a glance, reducing the need for extensive comments and making code easier to read and understand.