**📝 PHP Notes**

**INITIAL SETUP (Oncer per new project)**

**Variable Types**

**📝 string →** A sequence of characters (e.g. "Hello")

**🔢 int →** Whole number (e.g. 42)

**💧 float →** Decimal number (e.g. 3.14)

**✅ bool →** true / false values

**📦 array →** Holds multiple values (e.g. ["red", "blue"])

**🧱 object →** An instance of a class (e.g. new Car();)

In PHP, **variables** are declared using the **$ dollar sign**, followed by the variable name.

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$variableName = value;

**Scalar Types (Single Values)**

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$string = "Mark"; // A sequence of characters (text)

$int = 12345; // An integer (whole number)

$float = 2.56; // A decimal number (floating point)

$bool = true; // A boolean (true or false)

📌 **Note:** If you wrap a number in quotes (e.g., "123"), it becomes a **string**, not a number.

**Array Types (Multiple Values)**

Arrays store **multiple values** in a single variable.

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// Using array() function

$names = array("Jianxin", "Calcharo", "Encore");

// Using square bracket syntax (PHP 5.4+)

$names = ["Jianxin", "Calcharo", "Encore"];

⚠️ Square bracket syntax only works in **PHP 5.4 and above**.