🚀 Usage 🚀

📚 Libraries

- Start the command with **"include"**.

- Follow it with the **library name** (omit `.h`, it's added automatically).

- Do **not** say *hash* or similar; it's added by default.

- **Includes always appear at the top** of the file.

💾 Data Types

- **integer** → `int`

- **character** → `char`

- **double** → `double`

- **float** → `float`

🛠️ Functions

- Start with **"function"**, followed by the **return type** and **function name**.

- Function names are auto-converted to **camelCase**.

- To pass parameters, say **"takes"**, followed by the **data type** and **parameter name**.

💡 **Example:**

- **Voice command:** `function integer calculate average takes integer size`

- **Generated Code:** `int calculateAverage(int size) {}`

🔢 Variables

- Start with the **data type**, followed by the **variable name**.

- Variable names auto-convert to **camelCase**.

- One **variable per line**.

- To initialize, use **"equals"**, followed by the value.

- **Characters** auto-wrap in single quotes.

💡 Examples:

- **Voice command:** `integer size equals 5`

    - **Generated Code:** `int size = 5;`

- **Voice command:** `character test equals p`

    - **Generated Code:** `char test = 'p';`

🖨️ Printf

- Start with **"print"**.

- Say the **text** to be printed.

- To use a variable, say **"percent"** instead of a format specifier (`%d`, `%f` will be added automatically).

- To add a newline, use **"line"**.

💡 Example:

- **Voice command:** `print the value of test is percent line variable test`

- **Generated Code:** `printf("the value of test is %d\n", test);`

⌨️ Scanf

- Start with **"scan"**.

- Say the **variable names** to scan (no need for `&` or format specifiers; they are auto-generated).

💡 **Example:**

- **Voice command:** `scan test, size`

- **Generated Code:** `scanf("%f%d", &test, &size);`

🔄 If-Else

- Start with **"if"** or **"else"**.

- Use **"variable"** before variable names.

- Use **comparison words**:

    - `equals` → `==`

    - `greater` → `>`

    - `greater equals` → `>=`

    - `less` → `<`

    ◦ `less equals → <=`

💡 **Example:**

- **Voice command:** `if variable test greater equals 5`

- **Generated Code:** `if (test >= 5) {}`

🔄 While Loop

- Start with **"while"**.

- Use **"variable"** before variable names.

- Use the same **comparison words** as If-Else.

💡 **Example:**

- **Voice command:** `while variable test greater equals 5`

- **Generated Code:** `while (test >= 5) {}`