**LeetCode Programming Helper (CPH)**

LeetCode Programming Helper (CPH) is a Visual Studio Code extension designed to streamline competitive programming workflows. It allows users to fetch problem statements and test cases directly from LeetCode, write their solutions in the editor, and run them locally to verify correctness. Built with TypeScript, this extension is lightweight, efficient, and designed for an optimal coding experience.

**Features**

**Run all commands in Command Palette (Ctrl+Shift+P) only.**

**1. Fetch Test Cases**

* **Command**: CPH: Fetch Test Cases
* **Description**: Automatically extracts test cases from a LeetCode problem URL and saves them locally for use in testing.

**2. Run Test Cases**

* **Command**: CPH: Run Test Cases
* **Description**: Executes the user's code against the fetched test cases, providing detailed feedback by comparing actual vs expected outputs.

**Important Notes**

1. Write the program in the desired LeetCode format only.
2. Refresh the Output channel once after running the Run Test Cases command.

**Requirements**

**Supported Programming Languages:**

* **C++**
* **Python**

**Default Configuration for C++:**

{

"cph.language.cpp.compile": "g++ -std=c++17 -o $fileNameWithoutExt $fileName",

"cph.language.cpp.run": "./$fileNameWithoutExt"

}

**Installation**

1. Open Visual Studio Code.
2. Go to the Extensions Marketplace (Ctrl+Shift+X).
3. Search for "LeetCode Programming Helper (CPH)".
4. Click "Install".
5. Configure the extension as per your preferred programming language.

**Usage**

1. Open any LeetCode problem in your browser.
2. Copy the problem URL.
3. In VS Code, open the Command Palette (Ctrl+Shift+P).
4. Run the command CPH: Fetch Test Cases and paste the URL when prompted.
5. Write your solution in the desired LeetCode format.
6. Run the command CPH: Run Test Cases to validate your solution.
7. Refresh the Output channel to view results.

**Contribution**

Contributions are welcome! If you'd like to contribute:

1. Fork the repository.
2. Create a feature branch.
3. Commit your changes.
4. Open a pull request.

**License**

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