## Running a C program with a Makefile and Input TXT file

This document guides you through building and executing a C program that takes a text file as input using a Makefile.

**Prerequisites:**

* **C compiler:** Make sure you have a C compiler installed (e.g., gcc).
* **make utility:** Ensure you have the make tool installed on your system.

**Project Structure:**

* **source.c:** Your C program source code.
* **Makefile:** Build instructions for the program.
* **input.txt:** The text file you want to pass as input to your program.

**Explanation:**

The Makefile contains instructions for compiling your C code and running it with the specified input file.

**Steps:**

1. **Open a terminal:** Navigate to your project directory using the terminal.
2. **Build the program:** Type make in the terminal. This compiles your C code and creates an executable file.
3. **Run the program:**
   * Execute the program with input using make run. This runs your program named myprogram (as defined in the Makefile) and passes the contents of input.txt as input.
4. **Clean up (optional):**
   * After you're done, remove temporary files by running make clean. This deletes generated object files and the executable.