Unloading and Running the Assembler

Prerequisites:

- JDK installed on your system. (JDK 1.8 or later, preferably the latest version)
- The assembled JAR file of the assembler

Steps:

- Navigate to the directory
- Open a terminal or command prompt window.
- Navigate to the 'src' directory where the Project.jar file is located.
- Run the assembler using the following command to execute the assembler
- Bash: java -jar Project.jar
- Change input.txt with the actual commands that you want to execute.

Explanation:

- **java:** Invokes the Java Runtime Environment (JRE).
- **-jar:** Specifies that the following argument is a JAR file.
- **Project.jar:** The name of your assembled JAR file.
- **input.txt:** The path to the input file containing assembly code.
- **list.txt:** The path to the file which provides a human-readable format of the assembly code along with the corresponding machine code. It serves as a reference for debugging and understanding the assembly process.
- **load.txt:** The path to the file contains the machine code that is ready for execution. It is used by the loader to load the program into memory.