

How to Run the Assembler JAR

Requirements

- Java installed (Java 8 or higher)
- A terminal or command prompt
- The following files in the same directory:
 - Assembler.jar
 - source.src

Step-by-Step: Run the JAR

1. Download the folder
2. Open Terminal / Command Prompt
3. Navigate to the Folder
4. Use `cd` to go to the folder containing the JAR and source file (the folder downloaded). For example:

```
cd path/to/my-folder
```

5. Run the Assembler

Run the `jar` file using the following command:

```
java -jar Assembler.jar
```

If Java is installed correctly, you'll see:

```
Assembler running...  
Assembler completed. Output files: output.lst, load.ld
```

Output Files Generated

File Name	Description
output.lst	Listing file with address, code, and source
load.ld	Load file with address and machine code



Notes

- Make sure source.src is formatted correctly (e.g., no extra blank lines).
- If the JAR doesn't run, confirm:
 - Java is installed with: `java -version`
 - You're in the correct folder
 - The filename is exactly Assembler.jar (case-sensitive)

Example Run

Suppose your source.src contains:

```
LOC 6  
DATA 10  
DATA 3  
END: DATA 1024  
...  
LDX 1,8
```

After running the jar, output.lst might contain:

```
000006 000012 Data 10  
000007 000003 Data 3  
000010 002000 Data END  
...  
000023 102110 LDX 1,8
```

And load.ld will look like:

```
000006 000012  
000007 000003  
...  
000023 102110
```
