

# A Guide to EmuStudio for Microprocessors Course

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EmuStudio is a free and versatile platform for computer emulation written in Java. Follow these steps to run your Z80 assembly source codes using this emulator.

1. Download and install Java Runtime Environment (JRE)

<http://www.oracle.com/technetwork/java/javase/downloads/>

2. Download and extract EmuStudio

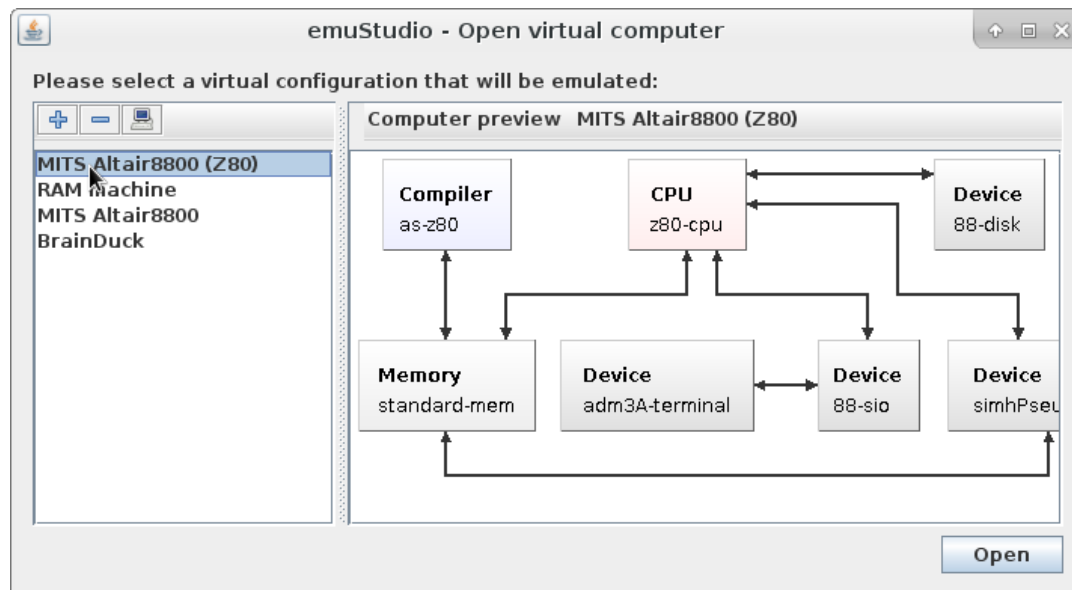
<http://emustudio.sourceforge.net/downloads.html>

3. Run EmuStudio either by double-clicking on emuStudio.jar file or typing in command line:

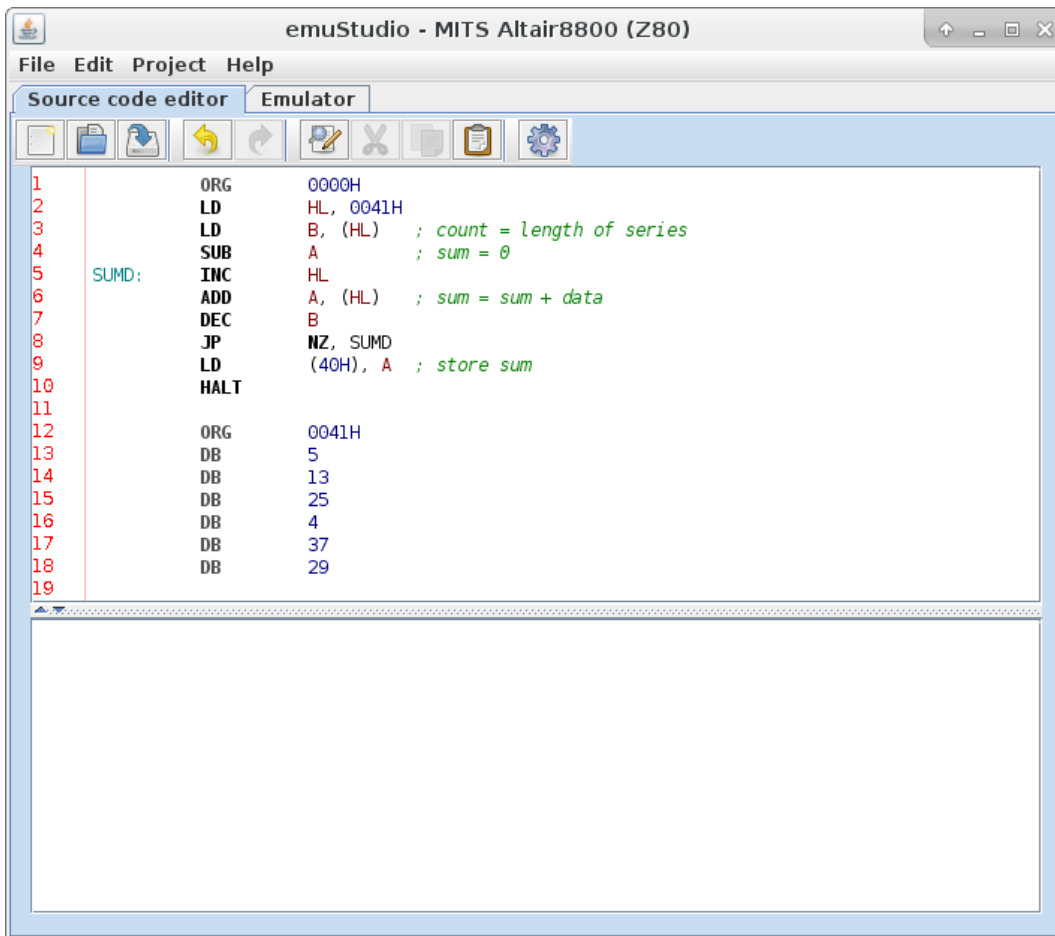
```
cd <extract path>
```

```
java -jar emuStudio.jar
```

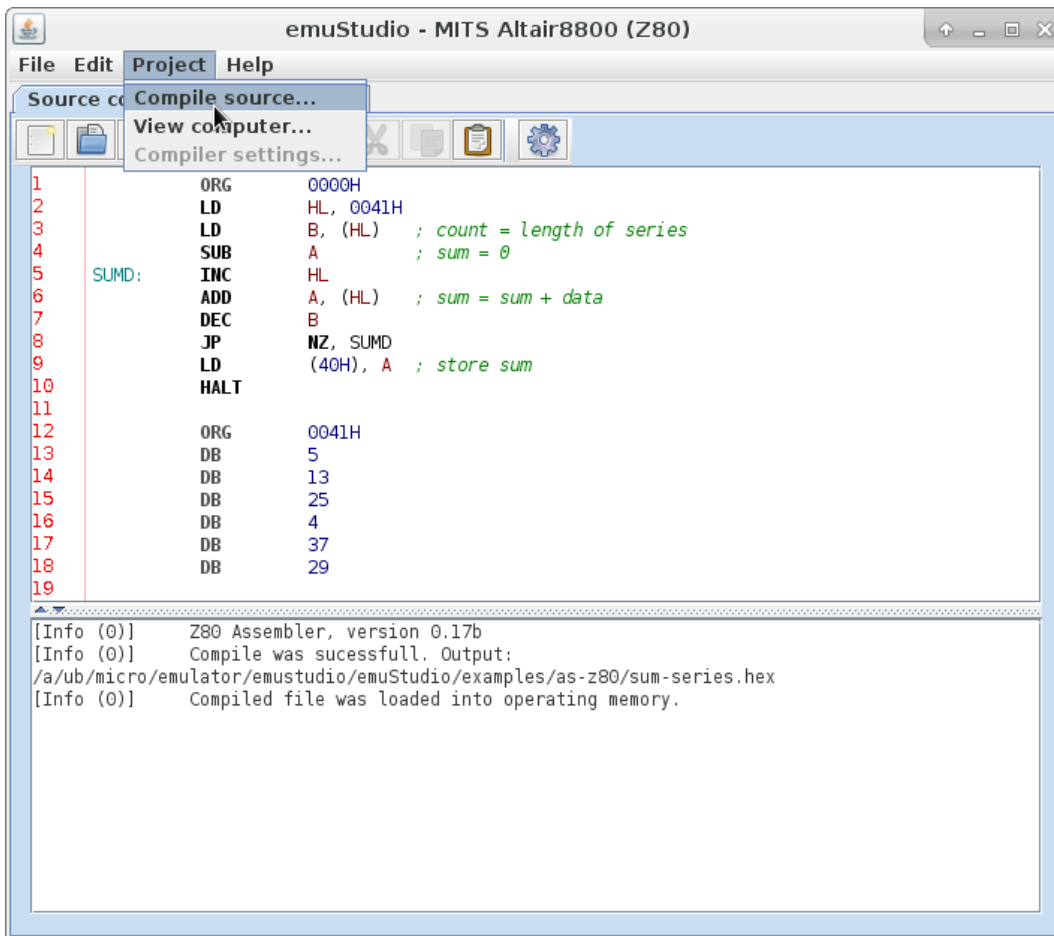
4. Open the MITS Altair880 configuration:



5. Type and edit your assembly source code in the opened source code editor:



6. Compile the source:



7. Go to Emulator tab. Click on "Step Forward" to run the compiled program in single step mode:

