

# Assembly Language Lecture Series: Introduction to RARS

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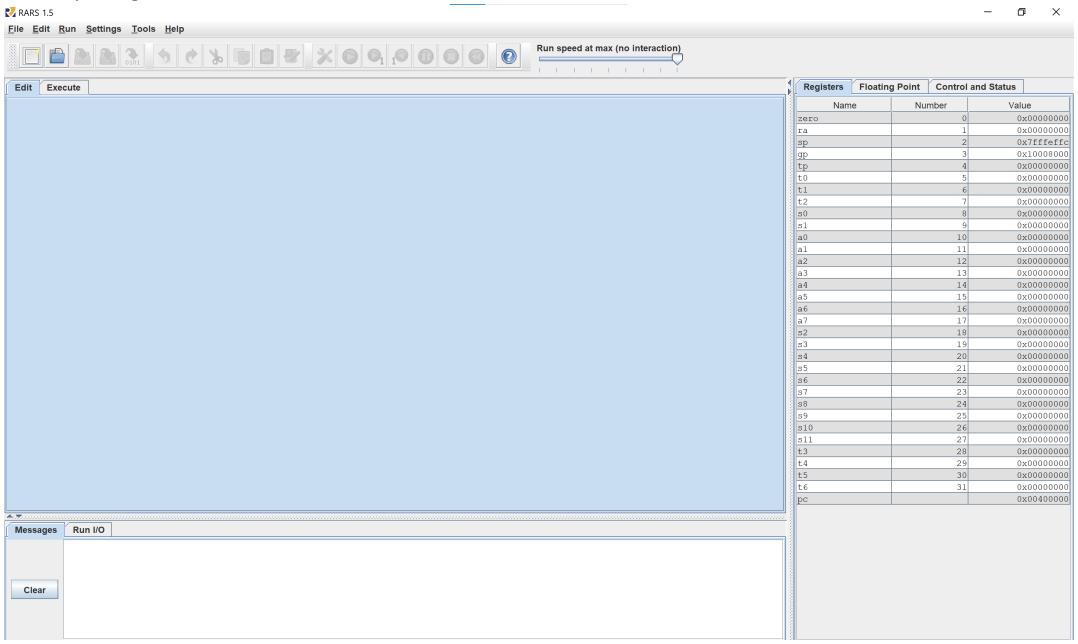
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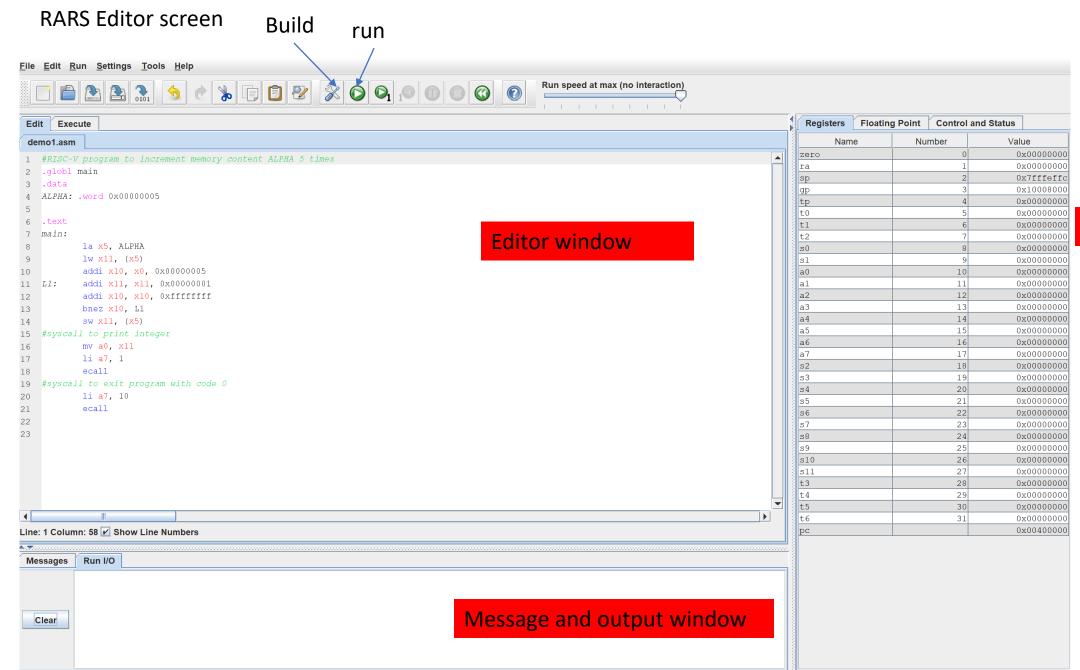
### **RARS**

- RARS (RISC-V Assembler, Runtime and Simulator) assemble and simulate the execution of RISC-V assembly language
- RARS software: <a href="https://github.com/TheThirdOne/rars/releases">https://github.com/TheThirdOne/rars/releases</a>
- Current version: v1.5
- RARS is distributed as an executable jar. Requires at least Java 8 to run it.
- Wiki:

https://github.com/TheThirdOne/rars/wiki

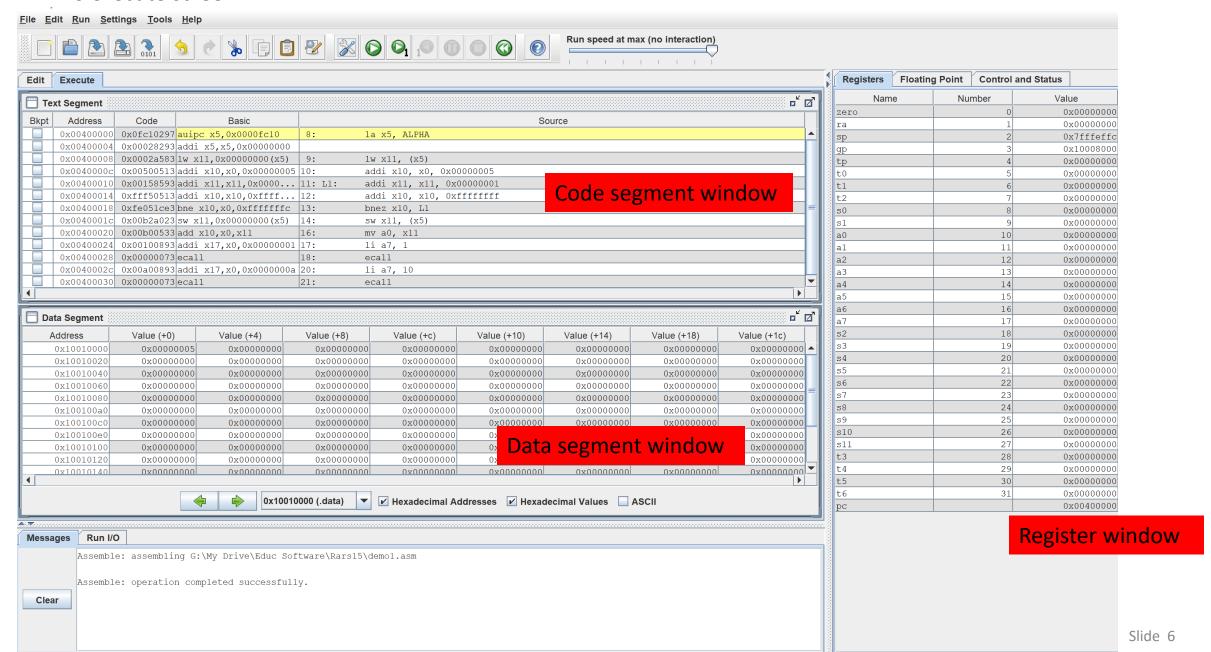
#### RARS opening screen





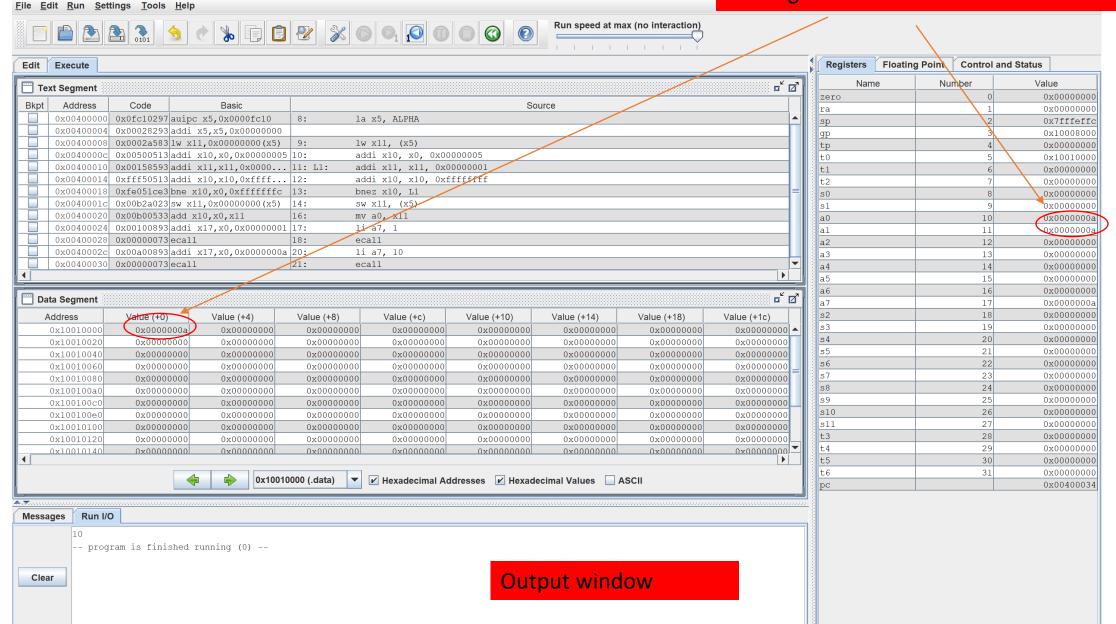
Register window

#### RARS execute screen

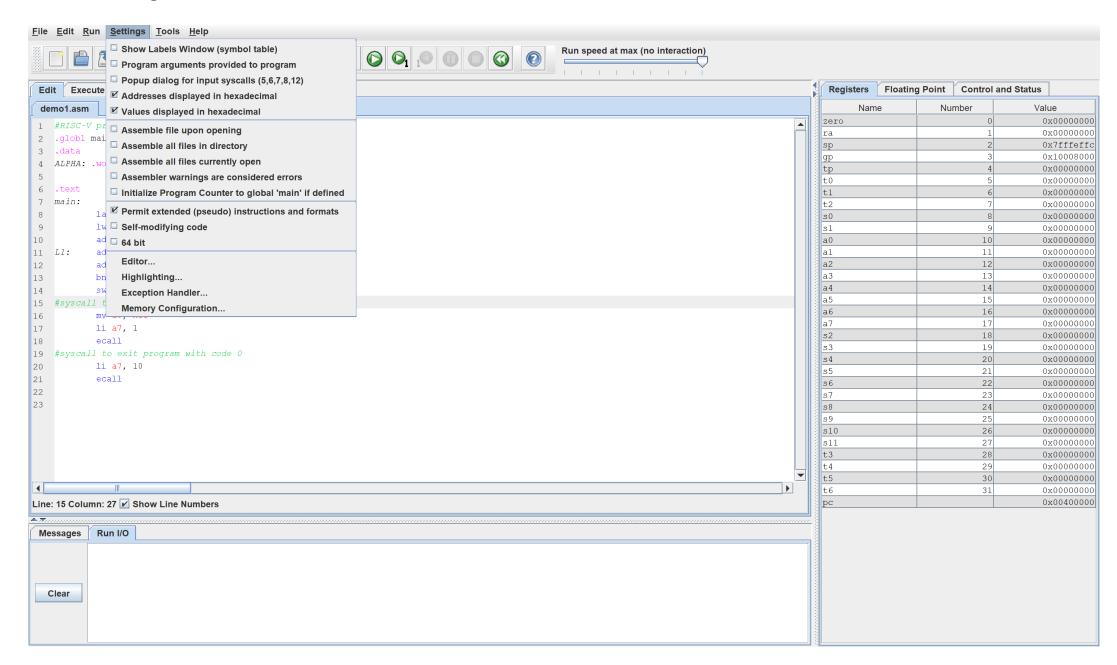


#### RARS execute screen

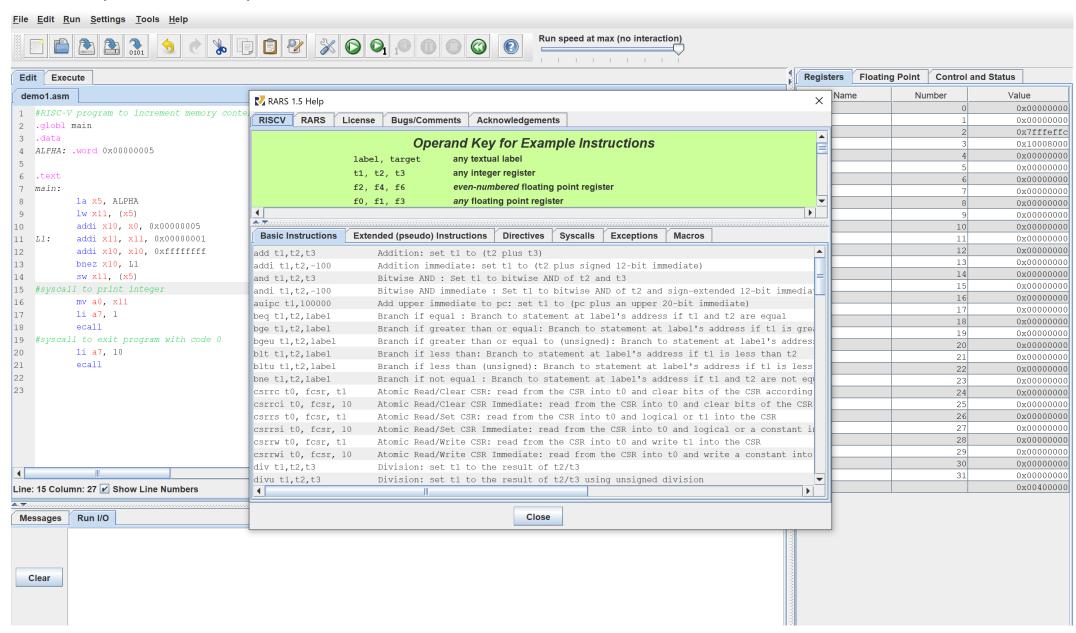
Note: value changes after execution in both memory and register



#### RARS setting menu



#### RARS comprehensive help menu



#### RARS syscall (for input and output) help menu

