Lab 8: Using Jasmin to run x86 Assembly Code

Course Name: Malware Analysis and Reverse Engineering (IAM302)
Student Name: Nguyễn Trần Vinh – SE160258
Instructor Name: Mai Hoàng Đỉnh
Lab Due Date: 15/2/2023

Purpose

To practice writing and running basic x86 assembly code, using the Jasmin interpreter

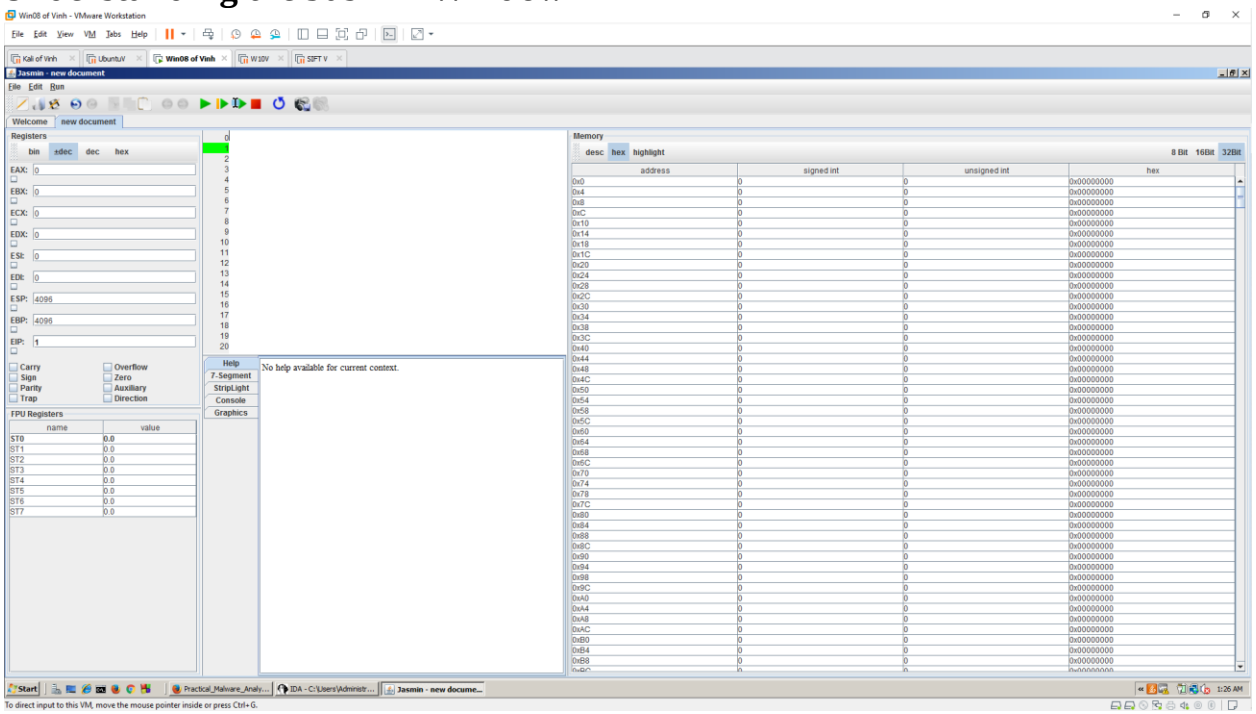
What You Need for This Project

- Any computer, running any OS

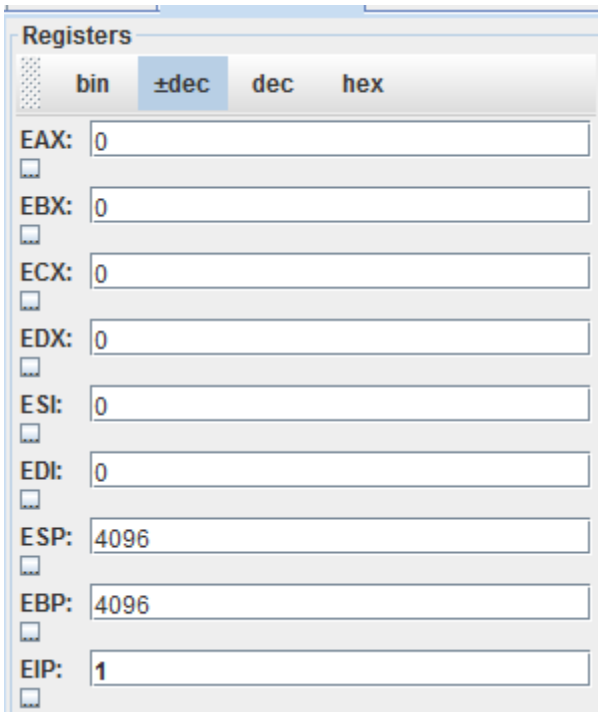
Install Java

Download Jasmin

Understanding the Jasmin Window



Registers

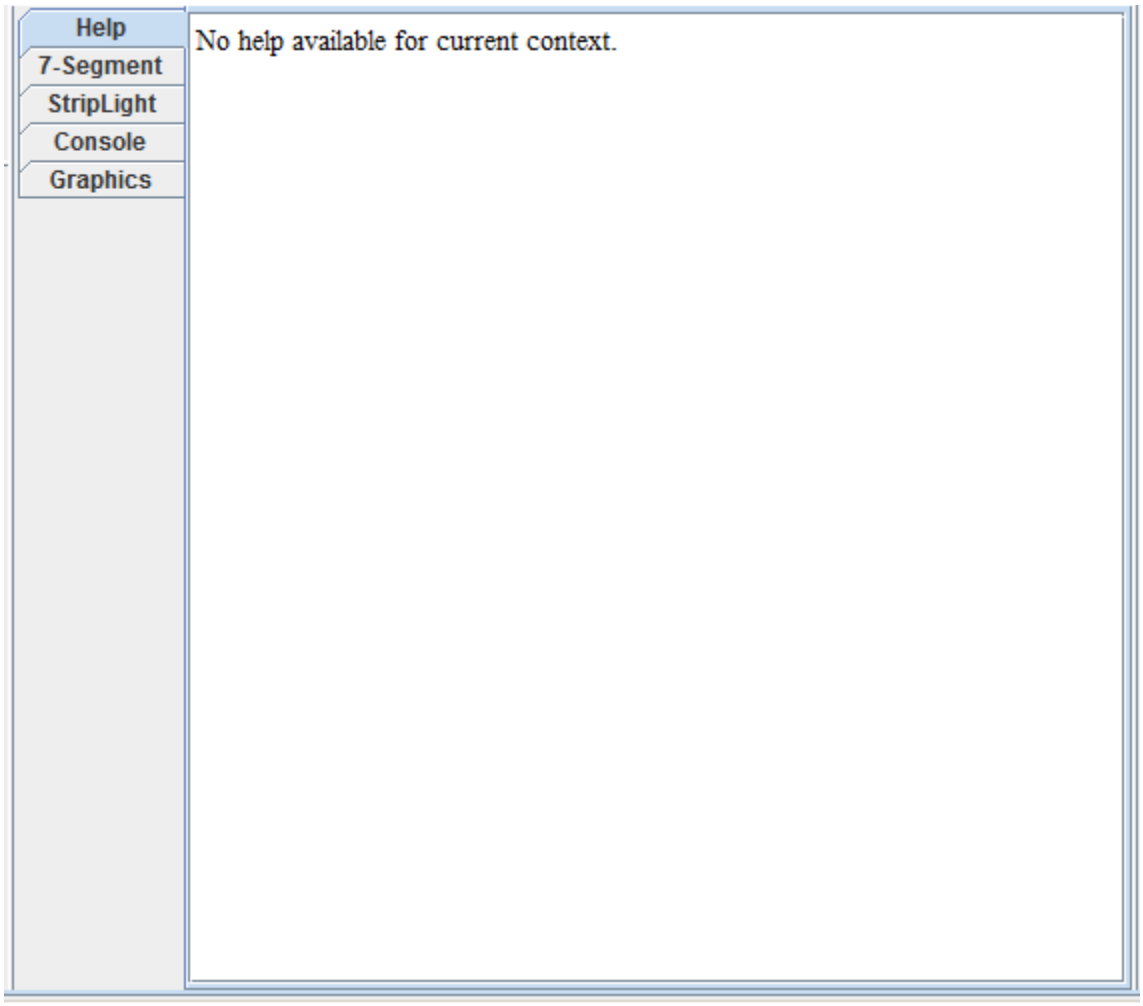

Registers
bin
±dec
dec
hex
EAX:
0
EBX:
0
ECX:
0
EDX:
0
ESI:
0
EDI:
0
ESP:
4096
EBP:
4096
EIP:
1

Flags

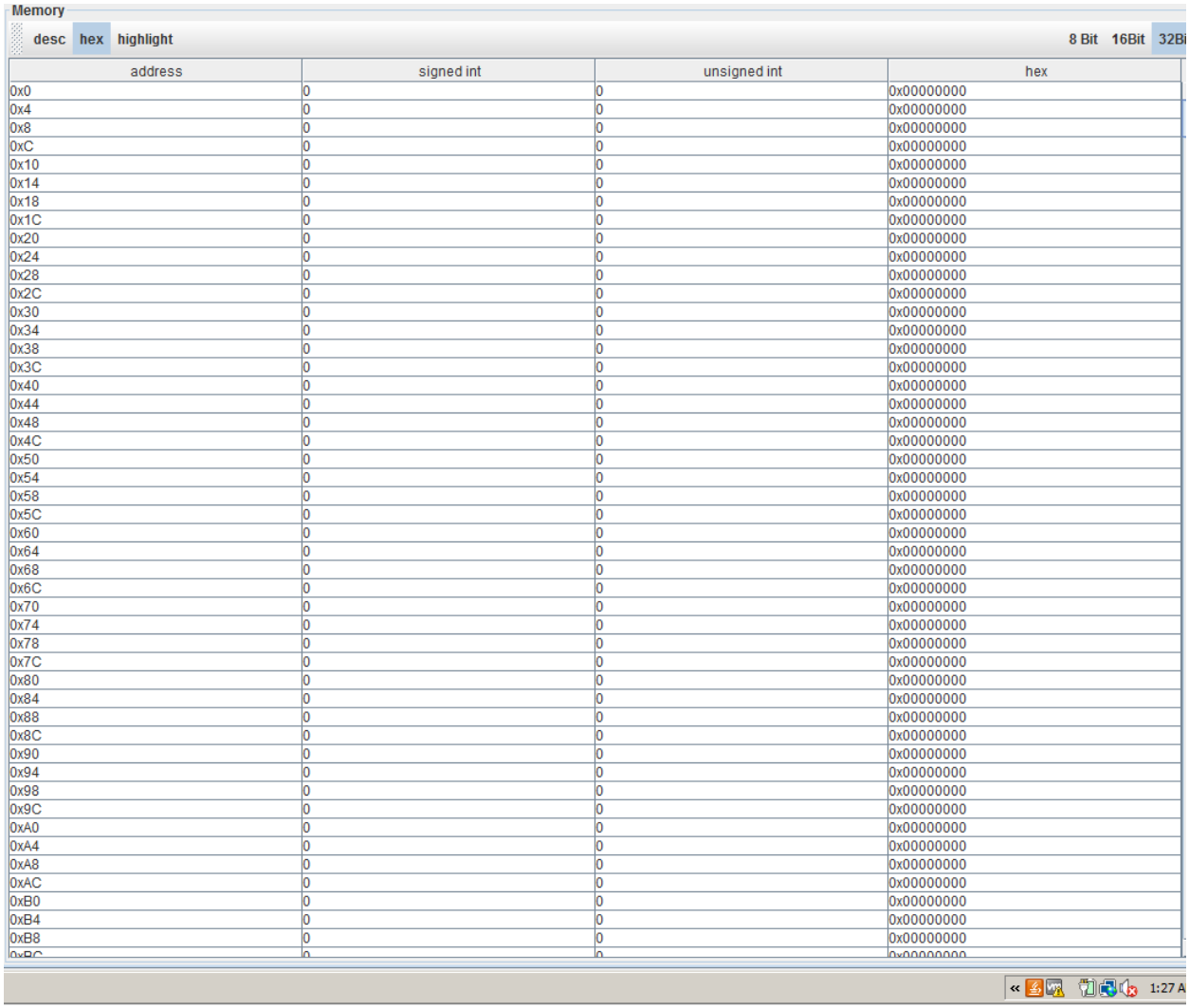

Carry
Overflow
Sign
Zero
Parity
Auxiliary
Trap
Direction

Code

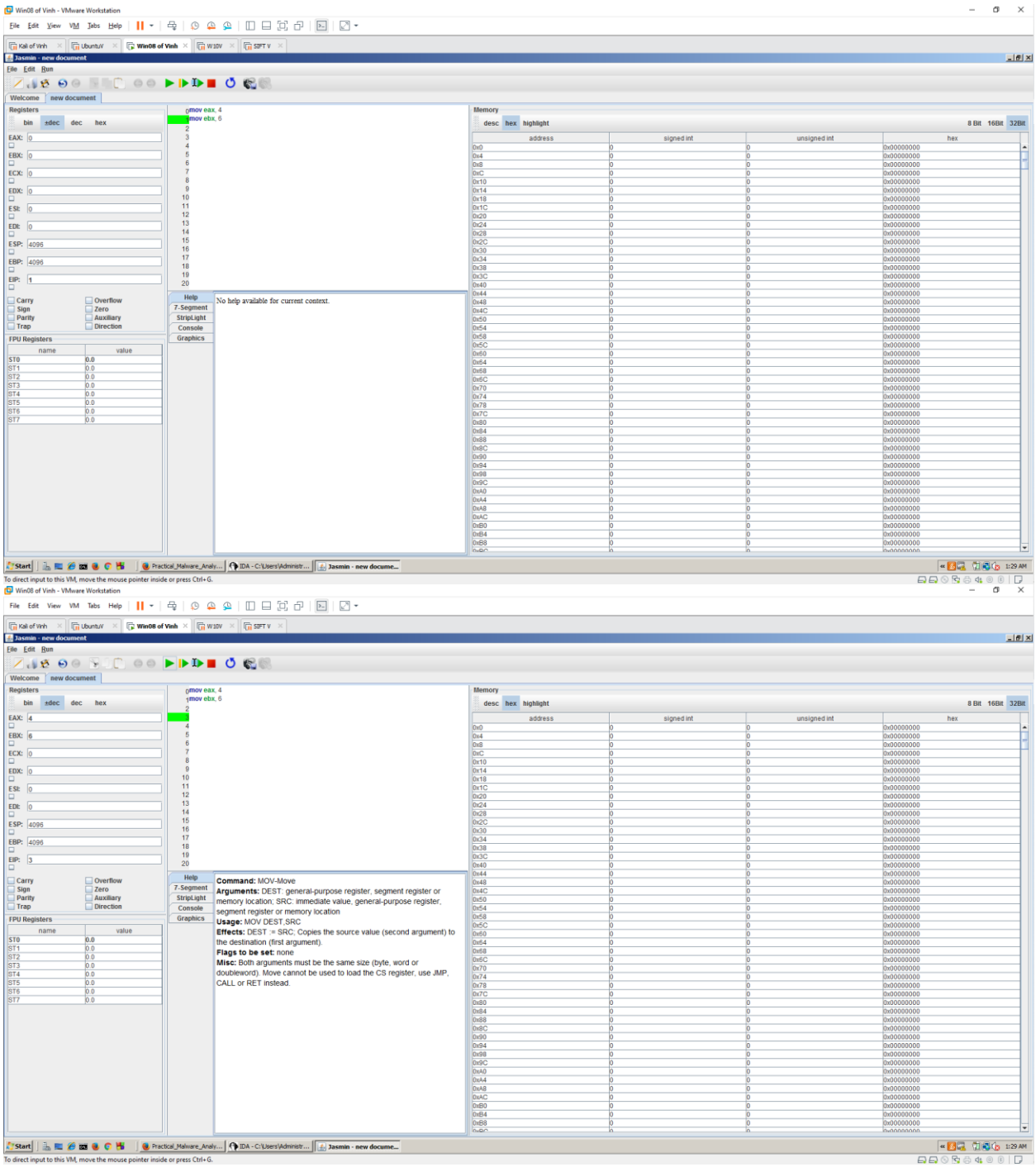
Help


Help
7-Segment
StripLight
Console
Graphics
No help available for current context.

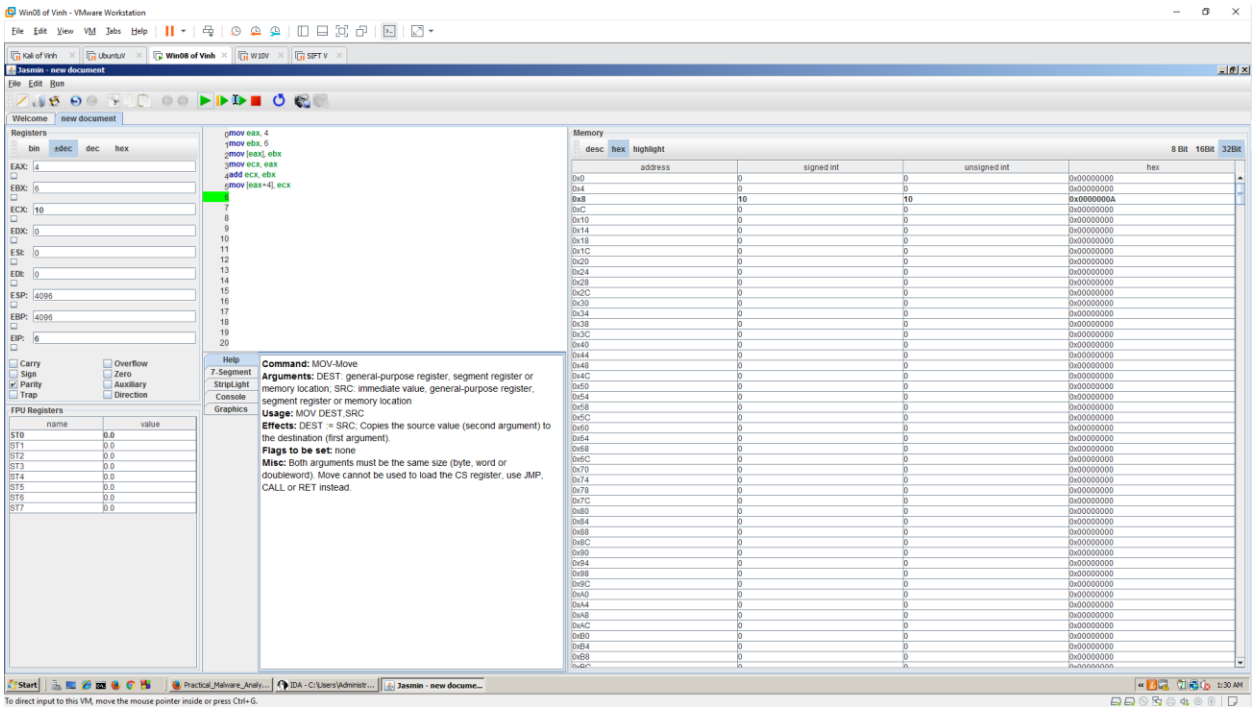
Memory



Using mov Instructions

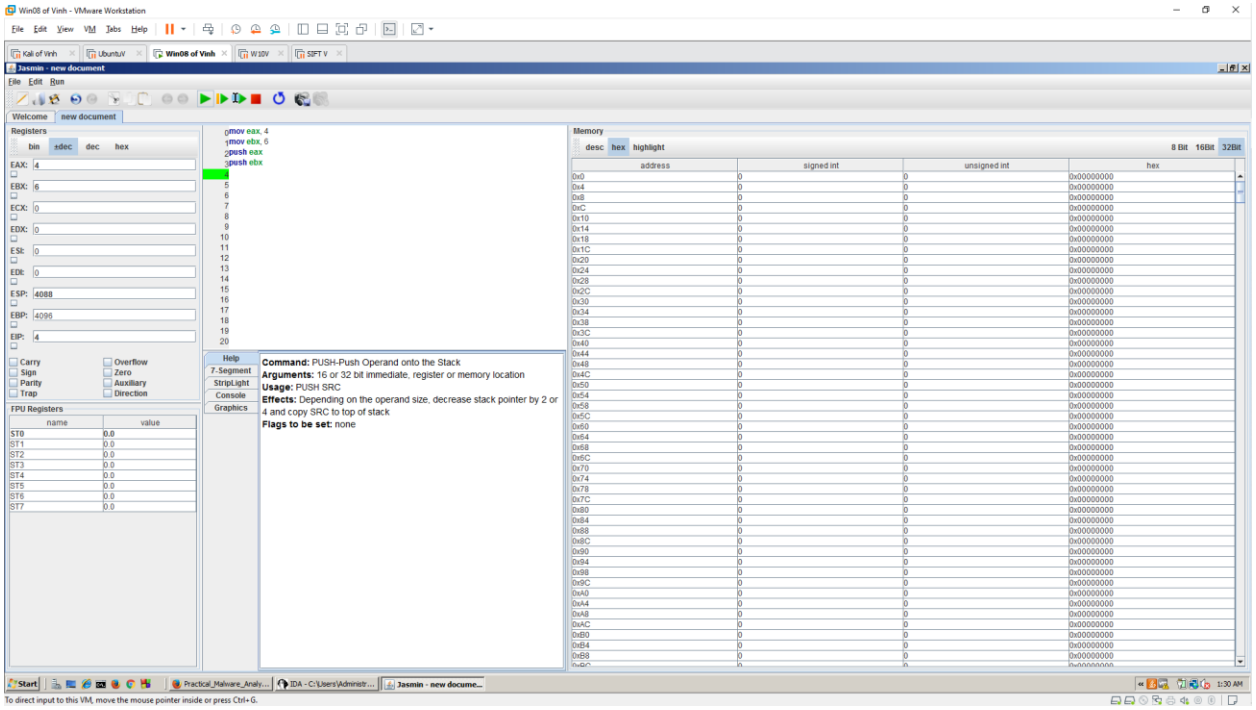


Storing Results in Memory

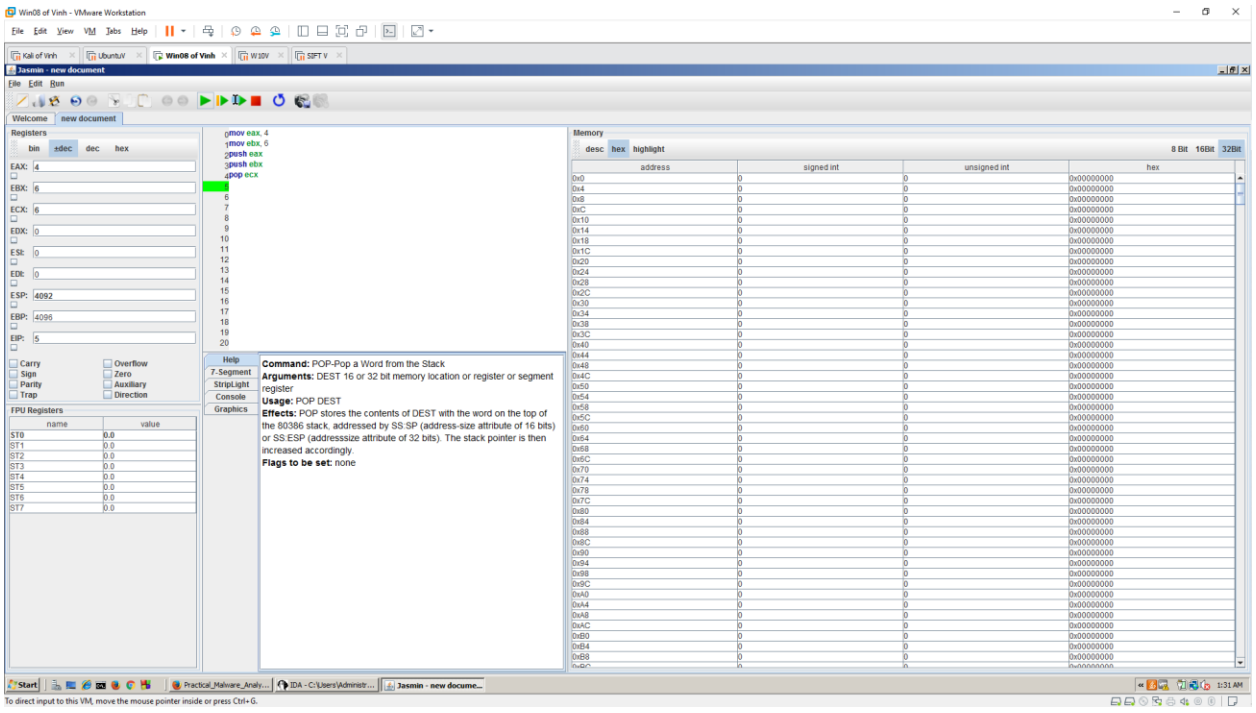


Using the Stack

Push



Pop



Reversing a Sequence