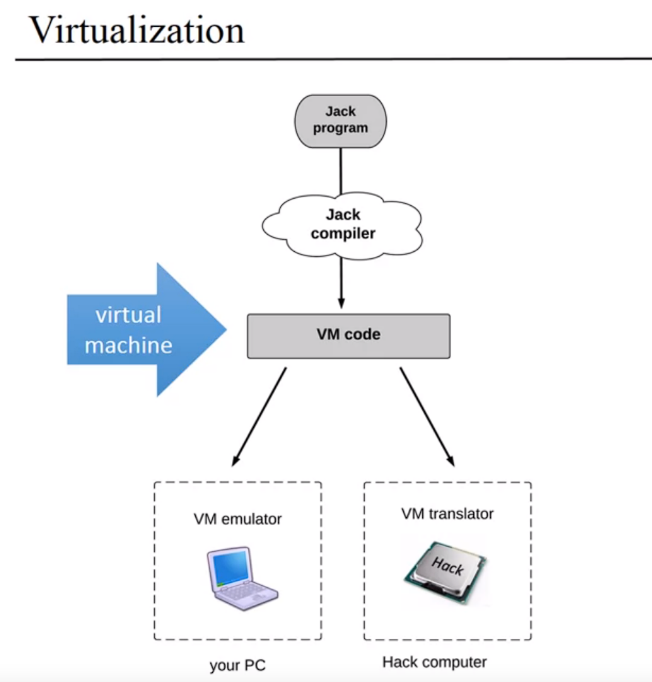
The big Picture of what we are doing?

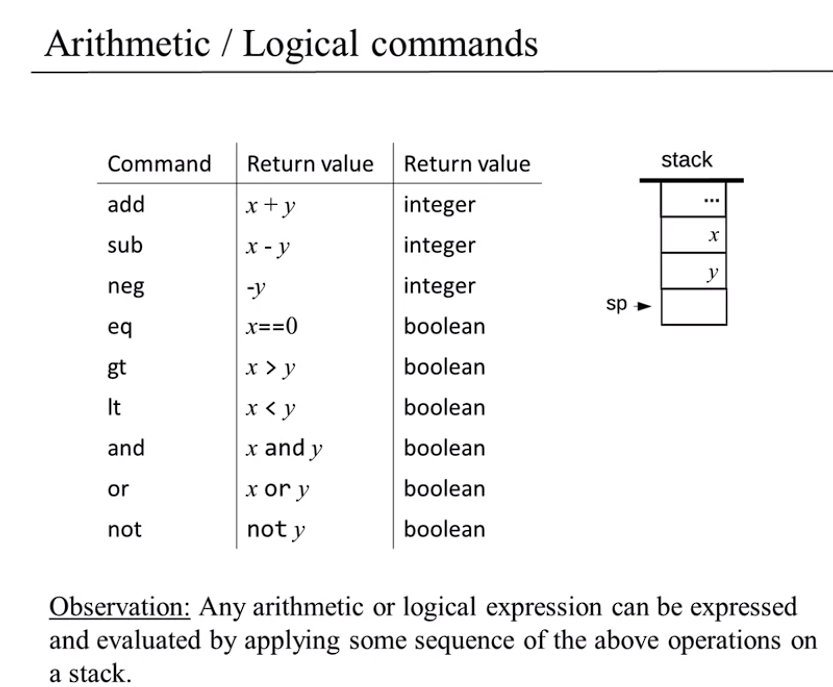
What is the 2-TIER compilation?

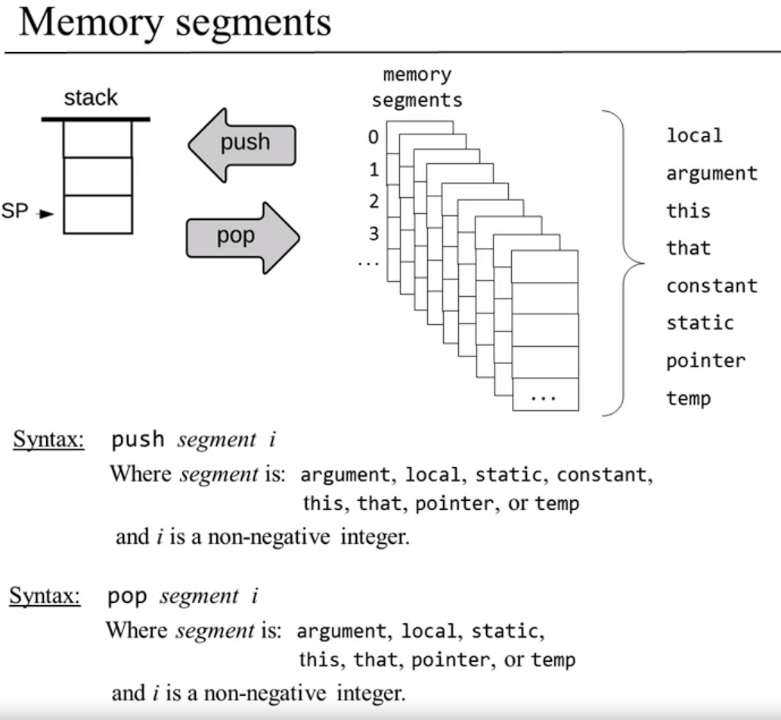
What is the VM translator?

It is a piece of program that convert the VM code to Assembly instructions (HACK ASSEMBLY).

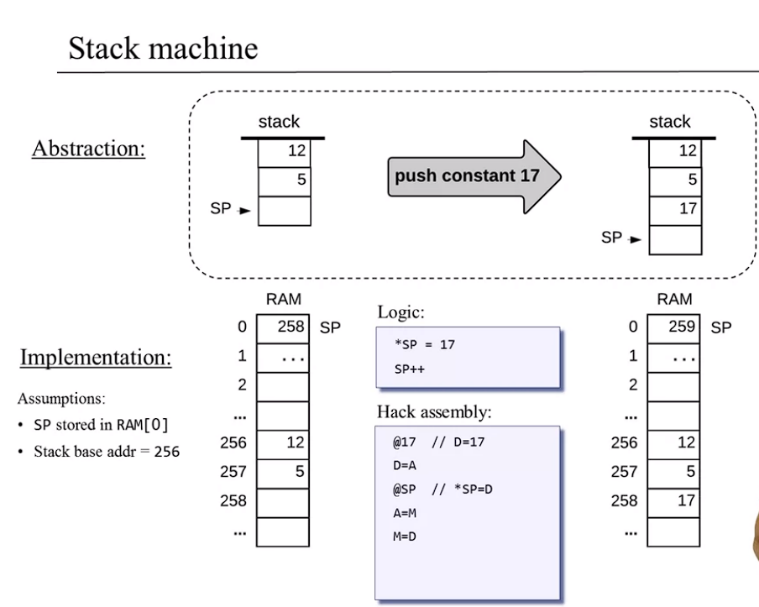
What is the VM code?

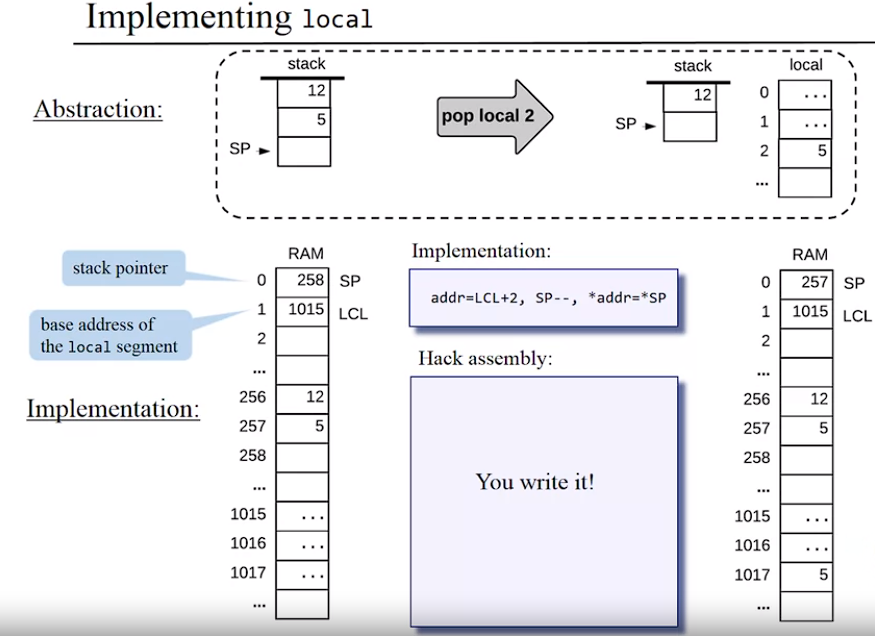
The VM code runs on the VM (virtual machine) which uses the Stack machine abstraction which consisted of an architecture (memory, stack) and group on commands (Arithmetic/logical commands, memory segments commands, branching commands, function commands).

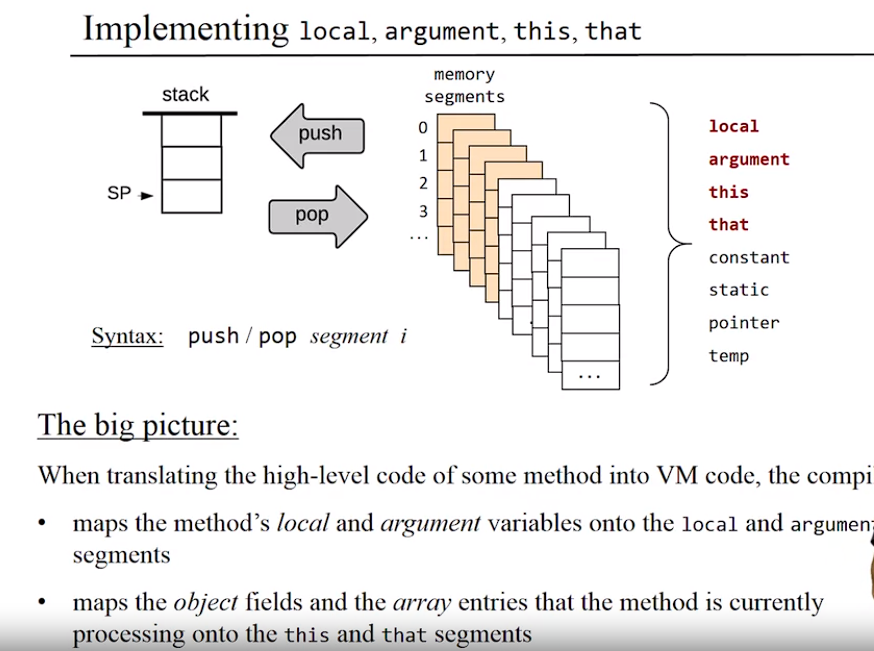
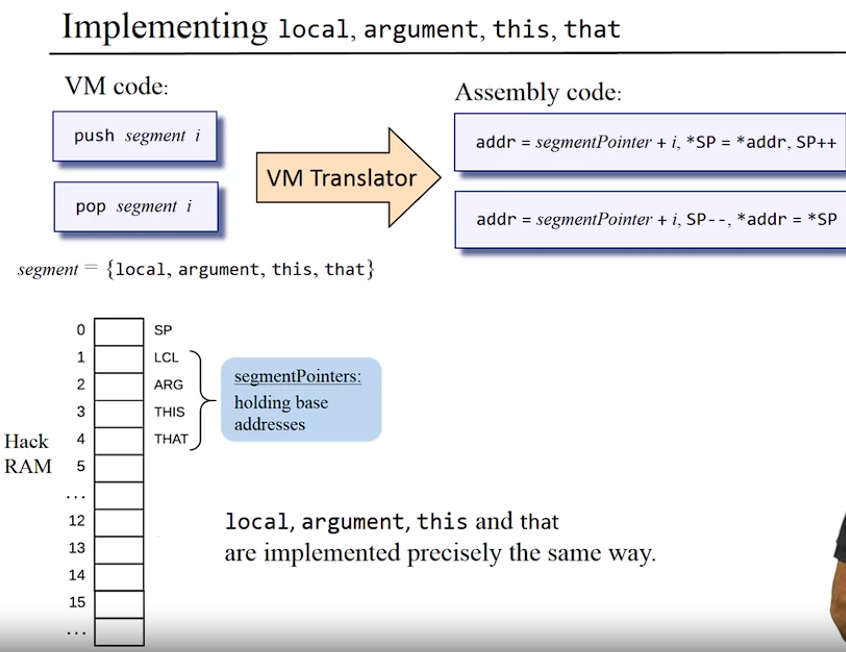


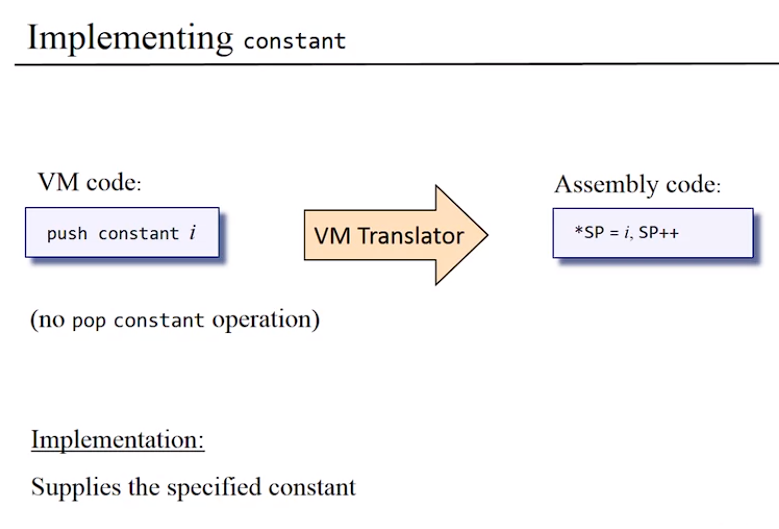
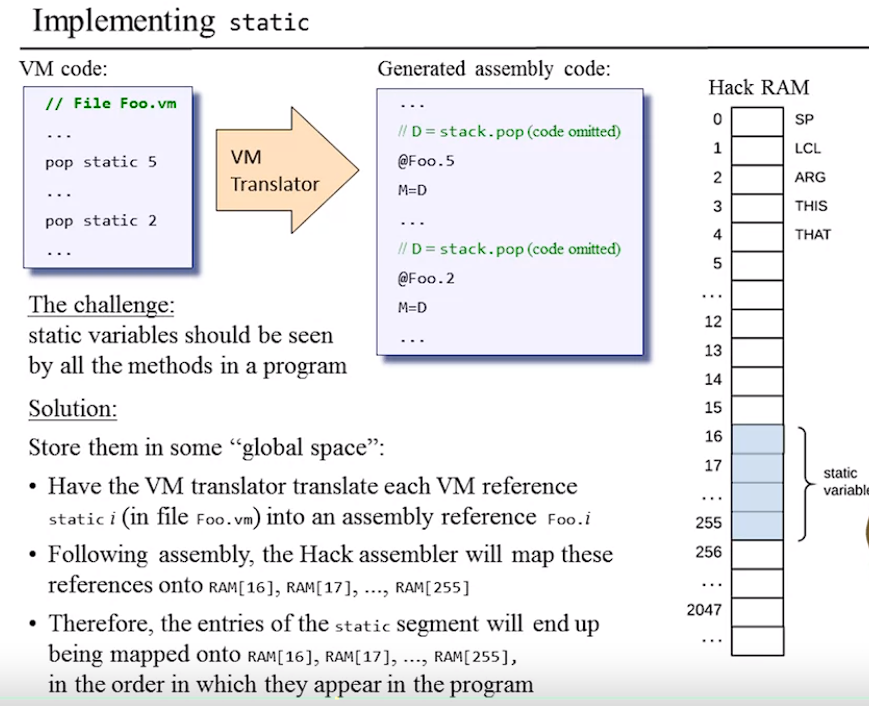
What is memory segments?

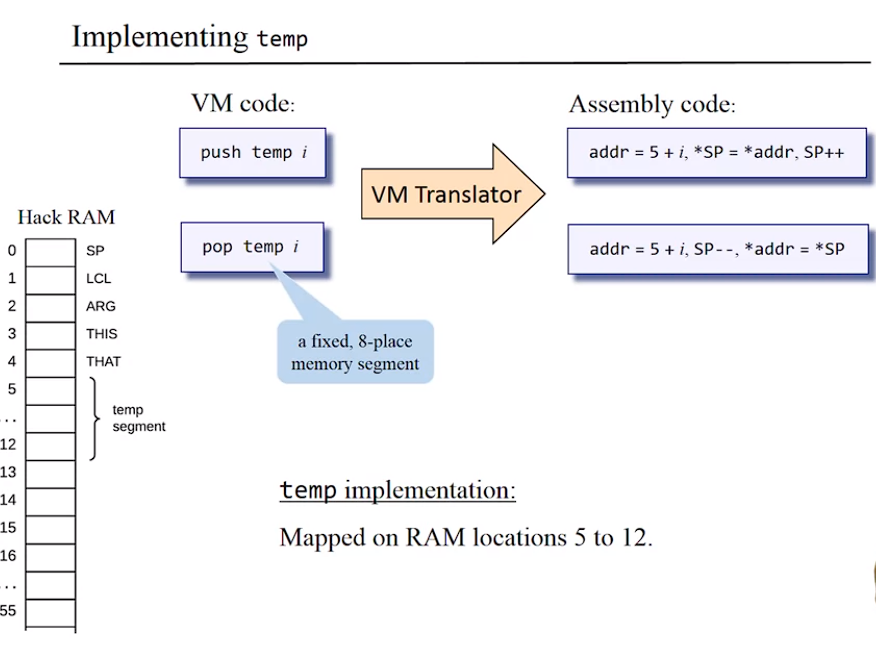
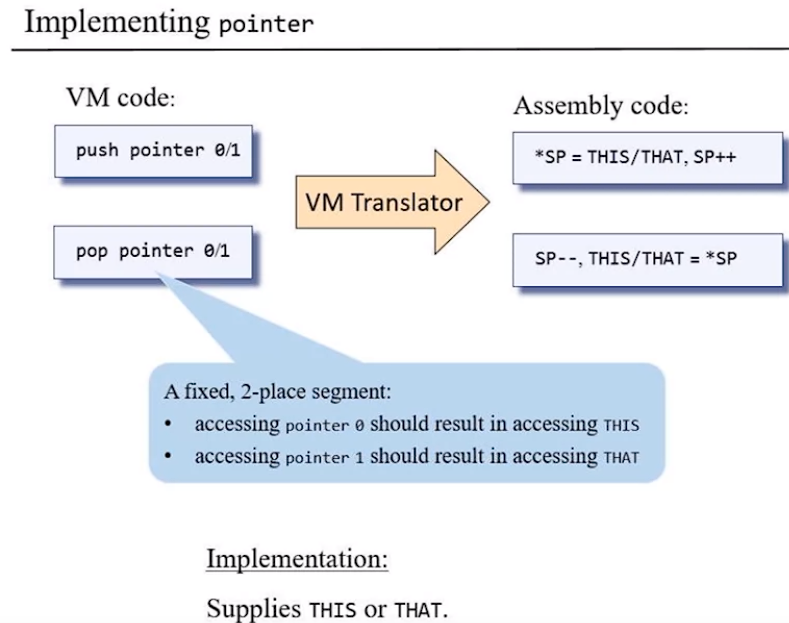
**VM Implementation**

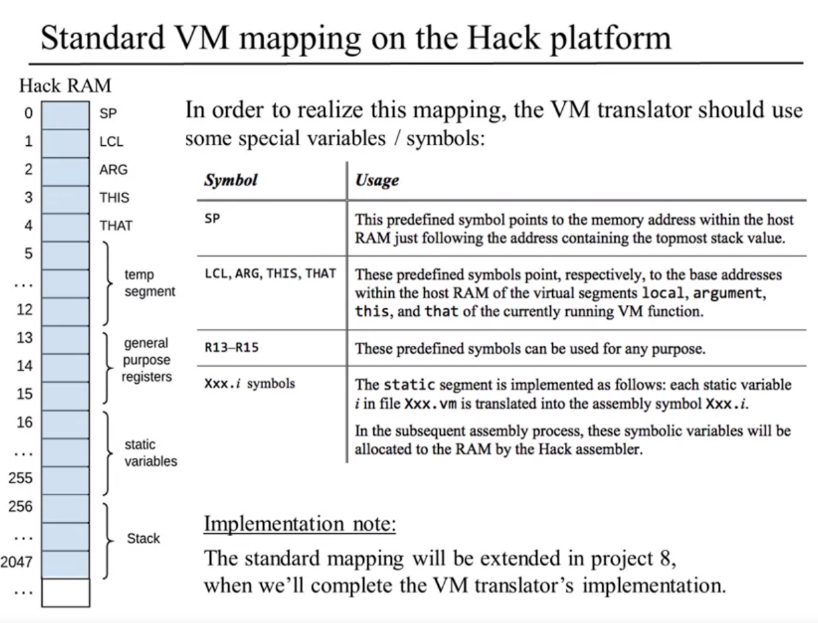
VM Implementation: STACK

VM Implementation: Memory Segments







The VM Implementation on the Hack platform

