First SPIM Program

- Register Use Conventions

Register Number	Mnemonic Name	Conventional Use
$0	zero	Permanently 0
$1	$at	Assembler Temporary (reserved)
$2, $3	$v0, $v1	Value returned by a subroutine
$4-$7	$a0-$a3	Arguments to a subroutine
$8-$15	$t0-$t7	Temporary (not preserved across a function call)
$16-$23	$s0-$s7	Saved registers (preserved across a function call)
$24, $25	$t8, $t9	Temporary
$26, $27	$k0, $k1	Kernel (reserved for OS)
$28	$gp	Global Pointer
$29	$sp	Stack Pointer
$30	$fp	Frame Pointer
$31	$ra	Return Address (Automatically used in some instructions)