

Logical operations	C operators	Java operators	MIPS instructions
Shift left	<<	<<	sll
Shift right	>>	>>>	srl
Bit-by-bit AND	&	&	and, andi
Bit-by-bit OR			or, ori
Bit-by-bit NOT	~	~	nor

**FIGURE 2.8 C and Java logical operators and their corresponding MIPS instructions.** MIPS implements NOT using a NOR with one operand being zero.