Table 5.3. MIPS Registers

Register Number	Conventional Name	Usage
\$0	\$zero	Hard-wired to 0
\$1	\$at	Reserved for pseudo-instructions
\$2 - \$3	\$v0, \$v1	Return values from functions
\$4 – \$7	\$a0 – \$a3	Arguments to functions – not preserved by subprograms
\$8 – \$15	\$t0 – \$t7	Temporary data, not preserved by subprograms
\$16 – \$23	\$s0 - \$s7	Saved registers, preserved by subprograms
\$24 – \$25	\$t8 – \$t9	More temporary registers, not preserved by subprograms
\$26 – \$27	\$k0 - \$k1	Reserved for kernel. Do not use.
\$28	\$gp	Global Area Pointer (base of global data segment)
\$29	\$sp	Stack Pointer
\$30	\$fp	Frame Pointer
\$31	\$ra	Return Address
\$f0 - \$f3	_	Floating point return values
\$f4 - \$f10	_	Temporary registers, not preserved by subprograms
\$f12 – \$f14	_	First two arguments to subprograms, not preserved by subprograms
\$f16 – \$f18	_	More temporary registers, not preserved by subprograms
\$f20 – \$f31	_	Saved registers, preserved by subprograms