Register number	Register name	Usage
0	zero	Always zero
1	$at	Reserved for the assembler
2 - 3	$v0 - $v1	Expression evaluation and procedure return results
4 - 7	$a0 - $a3	The first four parameters passed to a procedure. Not preserved across procedure calls
8 - 15	$t0 - $t7	Temporary registers. Not preserved across procedure calls

Register number	Register name	Usage
16 - 23	$s0 - $s7	Saved values. Preserved across procedure calls
24 - 25	$t8 - $t9	Temporary registers. Not preserved across procedure calls
26 - 27	$k0 - $k1	Reserved for kernel usage.
28	$gp	Global pointer (pointer to global area)
29	$sp	Stack pointer
30	$fp	Frame pointer[a]
31	$ra	Return address
	$f0 - $f2	Floating point procedure results
	$f4 - $f10	Temporary registers. Not preserved across procedure calls
	$f12 - $f14	The first two floating point parameters. Not preserved across procedure calls
	$f16 - $f18	Temporary floating point registers. Not preserved across procedure calls
	$f20 - $f30	Saved floating point values. Preserved across procedure calls