

Register Usage Conventions in C

Register	Description	Assembly code called from C (callee)	Assembly code that calls C (caller)
r0	Temporary	Save and restore if using	Save and restore if using
r1	Always zero	Must clear before returning	Must clear before calling
r2-r17	"callee-save"	Save and restore if using	Can freely use
r28			
r29			
r18-r27	"caller-save"	Can freely use	Save and restore if using
r30			
r31			