

Solution:

Item	Segment	Sub-segment (if applicable)	Permissions (read/write)	Lifetime (function, program or indefinite)
g1	data	bss	RW	program
g2	code	const	R	program
g3	data	data	RW	program
g4	data	bss	RW	program
g5	data	data	RW	program
N	none	none	none	none
l1	register	none	RW	function
l2	data	stack	RW	function
*l2 (dereferenced)	data	heap	RW	indefinite
l3	data	stack	RW	function
SOME_VALUE	none	none	none	none
f1	data	stack	RW	function
f2	data	bss	RW	program
f3	data	stack	RW	function
Hello World! (The string)	code	rodata	R	Program
main()	code	text	R	Program
func()	code	text	R	Program