H | MARS (MIPS) Assembler directives

Directive `Example`	Meaning
`.data`	Start of data segment
`.text`	Start of code segment

`.globl`
`.globl main`
	Entry point for external reference (linker)

`.space n`
`myarray:  .space 12`
	Reserve *n* bytes of space on the heap

`.ascii "string"`
`mystring:  .ascii "Ajax"`
	Store string in heap memory

`.asciiz "string"`
`mytext:  .asciiz "Benfica"`
	Store string+0x00 in heap memory

`.byte b1, b2,...bn`	Store byte(s) in heap memory
`.half h1, h2,...hn`	Store half-word(s) in memory

`.word w1, w2,...wn`
`myvector:  .word 1, 2, 4`
	Store word(s) in heap memory

`.float f1, f2,...fn`
`myvector:  .float 1.0, 2.1, 3.6`
	Store float(s) in heap memory

`.double d1, d2,...dn`
`pi:  .double 3.1415926E03`
	Store double-precision float(s) in heap memory

`.eqv text text`
`.eqv myvalue 64`
	Define a substitution

`.macro ...  .end_macro`
`.macro endprog`
`  li a7, 10`
`  ecall`
`.end_macro`
	Define a macro*
	(not a function)

*: (does not store it in memory)