## **Emacs Lisp Types**

Main Type Category	Sub-category	Sub-category	Sub-category	References
<u>Symbols</u>	Symbols			<ul><li>Symbol Type</li><li>Symbol components</li><li>Creating and interning symbols</li></ul>
	booleans			
<u>lumbers</u>				
	Integers			
	<u>Floats</u>			
	complex-numbers			Complex numbers are not explicitly supported by Emacs Lisp.  • The cpix external library supports the concept of complex numbers.
				The open exertial instally supported the contests of complex flumbers.
characters and Strings	Char			Basic char literal syntax
	Strings			Dasic char interal syntax     Creating Strings
				String Modifications @ Emacs Wiki     Replace in String @ Emacs Wiki
				Split String @ Emacs Wiki
. Encedings				String trim @ ∑Xah     Unicede Exceeding @ Exceeding
Encodings				Unicode Encoding @ Emacs Wiki     Emacs Unicode Pitfalls, by Christopher Wellons, 2014-06-13
Ordered Collection of elements				
	Sequence			Sequence Functions
See also: Pure storage		List		List Modifications @ Emacs Wiki
Elisp Cookbook @ Emacs Wiki				<ul> <li>List Destructive Operations @ Emacs Wiki</li> <li>Sorting Lists</li> </ul>
			cons cell	Note: a cons cell is not a sequence.
			alist - association list	The cons cell is placed here because of its strong relationship with list  • Elisp: Association List @ \( \Sigma \text{Xah} \)
			cl association list	· Liisp. Association List @ Zhan
			plist - property list	• Elisp: Property List @ ∑Xah
				Alist Vs Plist @ Emacs Wiki
		A	set - (lists as sets)	A Film at
		Array		Array Functions
			Vector	Vector Functions
			Bool-vector	
			<u>Char-table</u>	
			Ring	
			String	See strings above. Strings are sequences of characters.
Creation of New Object Types				
	Record			Used as underlying representations of <u>cl-defstruct</u> and <u>defclass</u> instances.
	Structure			Options for Structured Data in Emacs Lisp, by Christopher Wellons, 2018-02-14
				The Common Lisp Cookbook - Data Structures - Structures
	Hash-table			
ieieo - CLOS for Emacs Lisp	classes			
Emacs Specialized Types				
	Buffers			
	Markers			Functions that create markers
	Markers Overlays			Functions that create markers
Functions				Functions that create markers     Emacs Lisp Code Guidelines - Functions, lambdas, macros
Functions				Emacs Lisp Code Guidelines - Functions, lambdas, macros     Defining a function with:
Functions	Overlays			Emacs Lisp Code Guidelines - Functions, lambdas, macros      Defining a function with:     defun macro     function argument list of functions defined with the defun macro
Functions	Overlays			Emacs Lisp Code Guidelines - Functions, lambdas, macros      Defining a function with:     defun macro     function argument list of functions defined with the defun macro     inline functions     Calling functions indirectly
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-unctions	Overlays			Emacs Lisp Code Guidelines - Functions, lambdas, macros  Defining a function with:     defun macro     function argument list of functions defined with the defun macro     inline functions     Calling functions indirectly     cI-lib macros: cI-defun, cI-function, cI-defsubst,     See also Common Lisp references (which explain what Emacs Lisp c lib emulates):     The Common Lisp Cookbook - Functions
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Functions	Overlays functions			Emacs Lisp Code Guidelines - Functions, lambdas, macros      Defining a function with:         defun macro
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Functions	Overlays functions			Emacs Lisp Code Guidelines - Functions, lambdas, macros  Defining a function with:     defun macro     function argument list of functions defined with the defun macro     inline functions     Calling functions indirectly     cI-lib macros: cl-defun, cl-function, cl-defsubst,     See also Common Lisp references (which explain what Emacs Lisp olib emulates):         The Common Lisp Cookbook - Functions         Practical Common Lisp - Common Lisp functions         Note that Emacs Lisp cl-defun support &aux auxiliary variables in argument list, something not available in Common Lisp.  Advice @ Wikipedia     The Limits of Emacs Advice, by Christopher Wellons, 2013-01-22     Advising Functions @ Emacs Wiki     Advice Vs Hooks @ Emacs Wiki
Functions	functions  advices			Emacs Lisp Code Guidelines - Functions, lambdas, macros  Defining a function with:     defun macro     function argument list of functions defined with the defun macro     inline functions     Calling functions indirectly     cI-lib macros: cI-defun, cI-function, cI-defsubst,     See also Common Lisp references (which explain what Emacs Lisp of lib emulates):
Functions	functions  advices			Emacs Lisp Code Guidelines - Functions, lambdas, macros  Defining a function with:     defun macro     function argument list of functions defined with the defun macro     inline functions     Calling functions indirectly     cI-lib macros: cI-defun, cI-function, cI-defsubst,     See also Common Lisp references (which explain what Emacs Lisp or lib emulates):
Functions	functions  advices  lambda			Emacs Lisp Code Guidelines - Functions, lambdas, macros  Defining a function with:     defun macro     function argument list of functions defined with the defun macro     inline functions     Calling functions indirectly     cI-lib macros: cl-defun, cl-function, cl-defsubst,     See also Common Lisp references (which explain what Emacs Lisp clib emulates):
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