

Constantly updating basic CheatSheet for C Cheat Sheet by Yash Gaikwad via cheatography.com/147838/cs/32179/

	Variable, Const and Declaration	D					
Variable							
	syntax : datatype variableName =	0					
	value	0					
	<pre>int myVariable = 100;</pre>	<>					
	Const	Sig					
	syntax : storagetype datatype	0					
	variableName = value	Un					
	const int myVariable = 100						
	syntax : #define variableName value						
	<pre>#define myVariable 100;</pre>	Sig					
	Declaration and Initialization	S					
	syntax : storagetype datatype	Un					
	variableName = value	d S					
	<pre>int myVariable = 110;</pre>	Lo					
	OR	Sig					
	syntax : storagetype datatype	Lo					
	variableName	Un d l					
	int a, b, c	u i					
	syntax : variableName = value	2					
	a = c = 10;	Lo					
	h = 20.	L					

Declaration and Initialization can be done at the same time or at different time, but you must declare first and is usually done at the top and then initialize later. But it was an old practice, now there is no need to declare at top at first and then initialize

Dataty	pes tree		Datatypes (con	it)	
smartdrav	wash site A touch copy of smartdraw	Dataty es	Unsigned Short Int	16	0 to 65,535
smartdray	Trimary	smartdraw	smartdra DSilyFre d Short	16	-32,767
<> Int	Float artdrayCh	ar _{smartd} Void	smartdra Pinter.		to 32,767
Signed	Double Sign SmartdrawCh Long		Smartdraw Eonig Int Typedef	32	- 2,147,48-
Unsigne d Int	Double Uns d C	igne _{martdraw} har	Struct		3,647 to
Short Int		smartdraw	smartdra Uniong Long Int	64	-(2 ⁶³ -1)
smartdray Signed	4,	\$ smart draw	♦ smartdrawArraysma		to 2 ⁶³ -1
Short	smartdraw	\$ smartdraw	Function Function Smartdraw Signed Long	32	-
Unsigne d Short		smartdraw	smartdraw s smartdraw		2,147,48- 3,647 to
Int Smartdray	smartdraw	\$ smartdraw	smartdraw Unsigned	32	0 to
smartdray Signed		\$ smartdraw	♦ smartdraw Long Int		4,294,-
Long Int	smartdraw	smartdraw	\$ smartdraw \$ smart		967,295
Unsigne d Long Int	smartdraw	\$ smartdraw	Unsigned Smartdraw Long Long Int	64	2 ⁶⁴ -1
Long Int	smartdraw	smartdraw	smartdraw smartdraw Float	32	IE-37 to
smartdray		smartdraw	smartdraw sma		IE+37
Long Unsigne	smartdraw	\$ smartdraw	smartdraw Doüble	64	IE-37 to
smartdrav	smartdraw	smartdraw	♦ smartdraw: ♦ sma		IE+37
			Long Double	80	IE-37 to

Datatypes	Datatypes					
Types	Bits	Minimal Range				
Char	8	-127 to 127				
Unsigned Char	8	0 to 255				
Signed Char	8	-127 to 127				
Int	16	-32,767 to				
	or 32	32,767				
Unsigned	16	0 to 65,535				
Int	or					
	32					
Signed	16	-32,767 to				
Int	or	32,767				
	32					
Short Int	16	-32,767 to				
		32,767				

