

Programming Cheat Sheet by godley via cheatography.com/22754/cs/4738/

Data types			Casting		Comparators		Conditio	Conditionals	
name	value		cast	what it does	symbo	ol meaning	value =	= 3	
string	anything1234	!!@£\$%"	str()	converts to a string	==	equal to	if valu	ue < 4:	
integer	1234		int()	converts to an integer	>	larger than		print("less than	
float	1.2345		float()	converts to a float	<	less than	4")		
bool True/False			Casting is used to convert between values. It needs to occur before doing any mathematical calculations with an input() from a user because user input is always strings.		>=	larger than or equal	elii va	alue > 2: print("larger than	
					<=	less than or equal	2")	princ (rarger chan	
Variable naming rules					!=	not equal	else:		
1. Easy to remember					Boolean operators			<pre>print("some other value")</pre>	
2. Short							value"		
3. No spaces			Variable assignment		and both values must be true or either value may be true xor either value may be true, but not both		else and	else and elif must follow an if. Else	
4. Cannot start with a number		cannot come before elif. Whitespace before the print statements indicates they are only to print if the condition is met							
5. Can only contain letters,				name = "abcdef123"					
numbers and underscores				age = 18					
Collection	s and generi	ce	height = 3.14		Arithmetic operators		to pinit ii	the condition is met	
			Useful python functions				Loops	Loops	
Name	Usage	Code			+	add	# infin	nite loop	
List	Multiple items in one variable	["apple", "banana", "strawbe rry"]	print("t ext") input("t ext")	prints text and allows input from a user	-	subtract	while True:		
					*	multiply		print("cheese!")	
					/	divide	# count	ter loop - 0-9	
Dictionary	Multiple key-value pairs in	{"hello": "world"}	round(3.14)	rounds a float down to an integer	**	power	for i	in range(10):	
					%	modulus	_	print(i)	
								ating a list	
	one variable							tion = ['apple',	
							'orange	e', 'banana']	



By godley cheatography.com/godley/

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for value in collection:
 print(value)