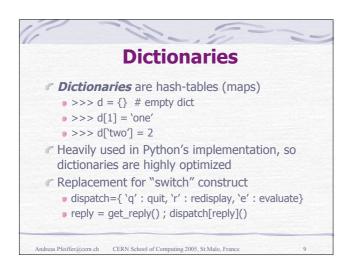
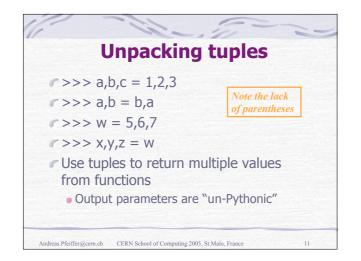
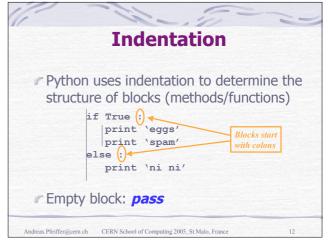


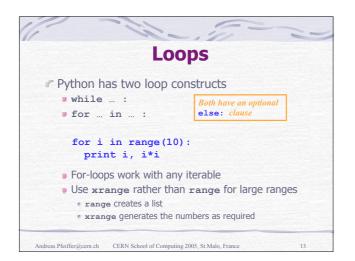
Ργ	thon types (II)	
Sequence	es	
• <i>List</i> – n	nutable, heterogeneous	
• [] , [1,	, 2] , [1, "hi there", 42.]	
• [ [1,2]	, [3,4], [4,5] ] – list of lists	
• Tuple -	- immutable, heterogeneous	
= () , (1	,) , (1, `hello', 42.)	
<ul> <li>Parent</li> </ul>	heses are not always needed	
• String	<ul> <li>immutable, homogeneous</li> </ul>	
• `a strir	ng', "another string", 'with " quotes'	

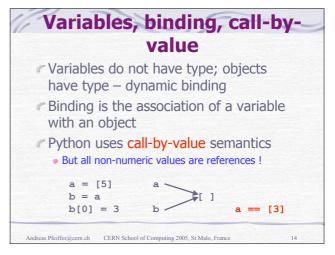


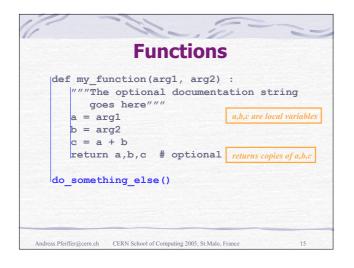
Sequence indexing and slicing				
>>> a = range(10)	[0,1,2,3,4,5,6,7,8,9]			
<i>r</i> >>> a[3]	3			
>>> a[3:6]	[3,4,5]			
>>> a[-1]	9			
<b>r</b> >>> a[-2]	8			
<b>r</b> >>> a[2:5] = ['x']	[0,1,'x',5,6,7,8,9]			
<pre>// &gt;&gt;&gt; a[-1:] = [`a', `b', `c']</pre>	[0, 1, 'x', 5, 6, 7, 8, 'a', 'b', 'c']			
Andreas.Pfeiffer@cern.ch CERN School of Computing	v 2005. St Malo. France 10.			

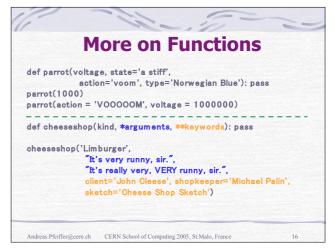


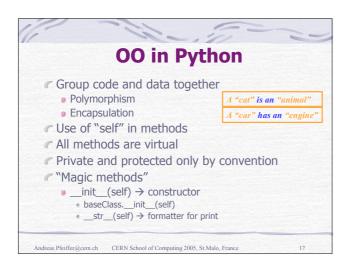


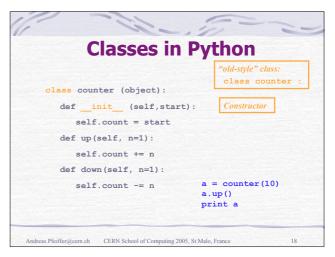


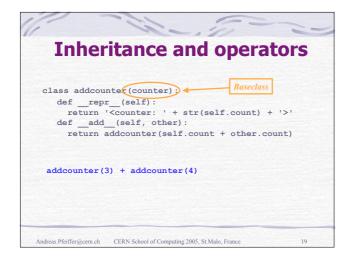


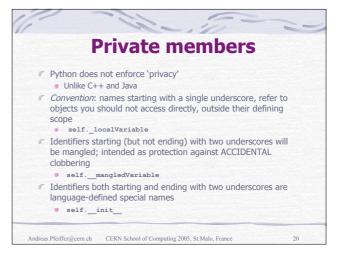


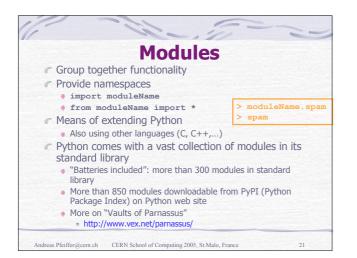


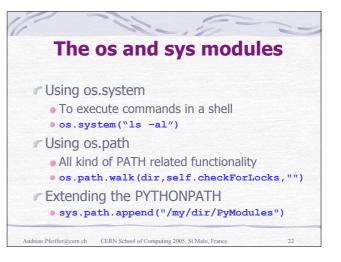


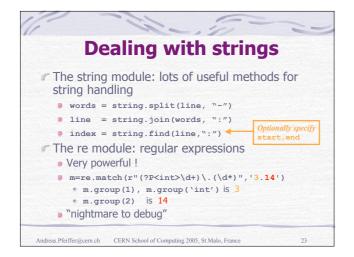












Exce	eptions
<pre>try: # code body except ArithmeticError:</pre>	Throwing exceptions: raise IndexError [,data
# what to do if arith	netic error
except IndexError, data	
# what to do if index	error
except:	
# what to do for any o	other error
else:	optional
# what to do if no exc	ception optional
try:	
# code body	
finally:	
# what to do ALWAYS	e.g. some "clean-up" code

