



























Li	ist of P	erson	object	S						
	0	1	2	3	4					
	Person Id:"1" "Gal"	Person Id:"2" "Natalie"	Person Id:"3" "Chris"	Person Id: "4" "Ben"	Person Id: "5" "Samuel"					
	Person Id: "4" "Ben"	Person Id:"3" "Chris"	Person Id: "1" "Gal"	Person Id:"2" "Natalie"	Person Id:"5" "Samuel"					
Sorted by name using: personList.sort(key=Person.getName)										
Dec 1, 2017 Sprenkle - CSCI111					16					



Extensions to Sol	utior	Consider what happens when searchlist is a list of <i>Persons</i> , <i>key</i> is a <i>str</i> representing the name • Goal: find a <i>person</i> with a certain network							
<pre>def search(searchlist, k low=0</pre>	(ey):								
high = len(searchlist	.)-1 r								
while low <= high :	· · -	What can we do to make search							
mid = (low+hiah)//	2	results more intuitive?							
if searchlist[mid] == key:									
return mid									
elif kev > searchlist[mid]:									
<pre># look in upper half low = mid+1</pre>									
									else:
# look in lower half									
high = mid-1	0	1	2	2	4				
return -1	Dancan	Dancan	Donson	Doncon	Pancan				
	Id: "4"	Id:"3"	Id: "1"	Id:"2"	Id:"5"				
Dec 1, 2017	"Ben"	"Chris"	"Gal"	"Natalie"	"Samuel"				

























