























Extensions to	Search	
In FaceSpace, w certain name.	e want to find people who have a	a
	happens when <b>searchlist</b> is a l I key is a name (a str)	list
We want to find the key and retu	d a Person whose name matche urn the <i>Person</i>	S
Mar 30, 2018	Sprenkle - CSCI111	13

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"	
ample: looki	ing for a per	son with the	e name "Ch	ris"	
ample: look	ing for a per	son with the	e name "Ch	ris"	
ample: look	ing for a per	son with the	e name "Ch	ris"	

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"
0	1	2	3	4
Person Id: "4" "Ben"	Person Id:"3" "Chris"	Person Id: "1" "Gal"	Person Id:"2" "Natalie"	Person Id:"5" "Samuel"
ted by nan			1	

Extensions to Solution def search(searchlist, k low=0 high = len(searchlist while low <= high :	utior (ey):	Consider what happens when searchlist is a list of <i>Persons, key</i> is a <i>str</i> representing a name <b>Goal</b> : find a person with a certain name					
<pre>mid = (low+high)//2 if searchlist[mid] == key:     return mid elif key &gt; searchlist[mid]:     # look in upper half     low = mid+1</pre>							
else: # look in lower half							
high = mid-1	0	1	2	3	4		
return -1	Person	Person	Person	Person	Person		
Mar 30, 2018	ld: "4" "Ben"	ld:"3" "Chris"	ld: "1" "Gal"	Id:"2" "Natalie"	ld:"5" "Samuel"		















