

<pre>Review: Extension def search(searchlist, k     low=0     high = len(searchlist     while low &lt;= high ;</pre>	Consider what happens when searchlist is a list of <i>Persons, key</i> is a <i>str</i> representing the <i>name</i> • Goal: find a Person with a certain name					
<pre>mile low &lt;= htgh : mid = (low+high)//2 if searchlist[mid] == key return mid elif key &gt; searchlist[mid # look in upper half low = mid+1 else: # look in lower half</pre>			G Bi • •	ood caps rings tog Algorith Classes, Lists Methoo While lo Strings	tone pro ether nms /Objects ds pops	oblem:
	0	1		2	3	4
Apr 3, 2019	Person Id: "4" "Ben"	Persor Id:"3" "Chadwic	n :k″	Person Id: "1" "Gal"	Person Id:"2" "Henry"	Person Id:"5" "Samuel"











Admissions Problem						
<ul> <li>Binary University decides to admit students based on a formula that weighs various factors</li> <li>Scores of 70 or better are admitted</li> <li>Input: single line, 4 integers, in order below</li> </ul>						
Category	Range	Weight Factor (Multiplier)				
AP Courses	0-10	10				
Intangibles	1-10	8				
High School GPA	0 - 10	0.25				
SAT score	600-2400	.01				
Apr 3, 2019	Sprenkle - CSCI111	8				

Example Input/Expected Output				
Input	Expected Output			
0 1 0 300	DENY			
6 10 99 2390	ADMIT			
0 7 82 1500	ADMIT			
2 5 0 990	DENY			
2 5 0 1000	ADMIT			
2 5 0 1010	ADMIT			
Apr 3, 2019	Sprenkle - CSCI111			









Tiobe Indexbased on the number of skilled engineers world-wide, courses and third party vendors							
Mar 2019	Mar 2018	Change	Programming Language	Ratings	Change		
1	1		Java CSCI209	14.880%	-0.06%		
2	2		<sup>c</sup> CSCI210, CSCI330	13.305%	+0.55%		
3	4	^	Python CSCI111, 112	8.262%	+2.39%		
4	3	<b>v</b>	C++	8.126%	+1.67%		
5	6	^	Visual Basic .NET	6.429%	+2.34%		
6	5	<b>~</b>	C#	3.267%	-1.80%		
7	8	^	JavaScript CSCI335	2.426%	-1.49%		
8	7	<b>~</b>	PHP	2.420%	-1.59%		
9	10	<b>^</b>	SQL CSCI317	1.926%	-0.76%		
10	14	*	Objective-C	1.681%	-0.09%		
http://www.tiobe.com/tiobe_index							
Apr 3, 20	19		Sprenkle - CSCI111		14		







