Tutorial 03
Search

1. Given the following unsorted list of numbers:
   - [12, 19, 3, 13, 20, 5, 8, 16, 6, 15]

   Using sequential search, how many comparisons would you need to perform in order to find the search key 8?

2. Given the following sorted list of numbers:
   - [3, 6, 8, 10, 11, 15, 17, 18, 19, 20]

   Using sequential search, how many comparisons would you need to perform in order to find the search key 12?

3. Given the following list of numbers and their corresponding index position:

Index Position	0	1	2	3	4	5	6	7	8	9	10
List Elements	10	23	25	34	36	42	63	74	87	92	99

   Use the table below to perform a binary search on the value 63:

Pass	**Low Pointer Index Position**	**Middle Pointer Index Position**	**High Pointer Index Position**	**Found (Yes/No)**
1				
…				

4. Given the following list of numbers and their corresponding index position:

Index Position	0	1	2	3	4	5	6	7	8	9	10
List Elements	10	23	25	34	36	42	63	74	87	92	99

   Use the table below to perform a binary search on the value 18:

Pass	**Low Pointer Index Position**	**Middle Pointer Index Position**	**High Pointer Index Position**	**Found (Yes/No)**
1				
…				

-- End of Tutorial --