**Searching Algorithms: Recursive Binary Search**

Either build your own array for this search, consisting of 20 elements or use the following.**int** OriginalArray[] = {4,10,6,1,8,10,9,12,14,6,15,6,7,10,8,2,7,3,9,1};

1. Please develop a Recursive Binary Search Method in your eclipse file, and then copy and paste it into the box below. Identify the amount of instances of the selected value which exist within the array.

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1. Please add developer comments to the various elements of your search. Outline how the elements which make it Recursive, and how it differs from the iterative Search you did previously.
2. In the box below, please provide a written description of how this search moves through an array sorting it. Explain in detail the elements which make it recursive. (base case, changing parameters, loops, etc.)  
     
   What is the benefit of setting up your search recursively, rather than iteratively? Please explain.

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