Binary Search

1. Create an array of 1000 random numbers. And apply binary search on it. Print output of search step wise

USe following code to generate random numbers

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import java.util.Random;

import java.util.Arrays;

public static void main(String args[])

{

// creating an object of Random class

Random random = new Random();

// Generates random integers 0 to 1499

Int[] arr = new int[1000];

for (int i =0; i< 1000; i++){

int no = random.nextInt(1500);

Arr[i] = no;

}

// Sort the random array

Arrays.sort(arr);

// Write your code from here for binary search

}

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1. Search 25 and print step wise output
2. Search 1450 and print stepwise output
3. Search 750 and print stepwise output
4. WAP to do binary search on sorted input character array
5. WAP to do binary search on sorted input floating point array