13-11-1204

DSA PROBLEM

BINARY SEARCH

package Problems;

public class BinarySearch {

public static int BinSearch(int[] arr,int target) {

int left = 0;

int right = arr.length-1;

while(left <= right) {

int mid = left + (right-left)/2;

if (arr[mid] == target) {

return mid;

}

if (arr[mid]<target) {

left = mid + 1;

}

else {

right = mid - 1;

}

}

return -1;

}

public static void main(String[] args) {

int[] arr = {1,2,3,4,5};

int target = 5;

int result = *BinSearch*( arr, target);

System.***out***.println("The target found: "+ result);

}

}

The target found: 4