public class BinarySearch {

public static void main(String[] args) {

int[] arr = { 2, 5, 7, 9, 11, 13, 15 };

int target = 11;

int index = binarySearch(arr, target);

if (index == -1) {

System.out.println("Target value not found in the array.");

} else {

System.out.println("Target value found at index " + index);

}

}

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

int left = 0;

int right = arr.length - 1;

while (left <= right) {

int mid = (left + right) / 2;

if (arr[mid] == target) {

return mid;

} else if (arr[mid] < target) {

left = mid + 1;

} else {

right = mid - 1;

}

}

return -1;

}

}