Binary Search

public class MyClass {

public static void main(String args[])

{

int[] arr={2,3,5,6,7,8,10,12};

System.out.println(BinarySearch(arr,6));

}

public static int BinarySearch(int[] arr,int val)

{

int start=0;

int end=arr.length-1;

while(start<=end)

{

int mid=start + (end-start)/2;

if(arr[mid]==val)

{

return mid;

}

if(arr[start]<=val)

{

start=mid+1;

}

if(val>=arr[end])

{

end=mid-1;

}

}

return -1;

}

}