

eclipse-workspace - PracticeProject2/src/binarySearch.java - Eclipse IDE

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```
1 public class binarySearch {
2
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         int[] arr = {3,6,9,12,15};
7         int key = 12;
8         int arrlength = arr.length;
9         binarySearch(arr,0,key,arrlength);
10    }
11    public static void binarySearch(int[] arr, int start, int key, int length){
12
13        int midValue = (start+length)/2;
14        while(start<length){
15
16            if(arr[midValue]<key){
17
18                start = midValue + 1;
19            } else if(arr[midValue]==key){
20                System.out.println("Element is found at index :"+midValue);
21                break;
22            } else {
23
24                length=midValue-1;
25            }
26            midValue = (start+length)/2;
27        }
28        if(start>length){
29
30            System.out.println("Element is not found");
31        }
32    }
33 }
34
```

Problems Javadoc Declaration Console X

<terminated> binarySearch [Java Application] C:\Users\Srinivas\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\javaw.exe (18)
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