File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer ×

> JRE System Library [JavaSE-1.8]
> src
  > (default package)
    > linearSearch.java
> PracticeProject2
  > JRE System Library [JavaSE-1.8]
  > src
    > (default package)
      > binarySearch.java
> PracticeProject3
  > JRE System Library [JavaSE-1.8]
  > src
    > (default package)
      > ExponentialSearch.java
> PracticeProject4
  > JRE System Library [JavaSE-1.8]
  > src
    > (default package)
      > SelectionSort.java
> PracticeProject5
  > JRE System Library [JavaSE-1.8]
  > src
    > (default package)
      > bubbleSort.java
> PracticeProject6
  > JRE System Library [JavaSE-1.8]
  > src
    > (default package)

LTS.java   Main.java   linearSearc... ×   SelectionSo...   *Mergesort.java   bubbleSort.java   FixBugAppli...   InsertionSo...

```java
import java.util.Scanner;

public class linearSearch {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        int[] arr = {10,20,30,40,50};

        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the element to be searched");
        int searchValue = sc.nextInt();
        int result = (int) linearing(arr,searchValue);

        if(result==-1){

            System.out.println("Element not in the array");
        } else {
            System.out.println("Element found at "+result+" and the search key is "+arr[result]);
        }
    }


public static int linearing(int arr[], int x) {

    int arrlength = arr.length;
    for (int i = 0; i < arrlength - 1; i++) {

        if (arr[i] == x) {

            return i;

        }
    }

        return -1;

    }
}
```

```
<terminated> linearSearch [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-
Enter the element to be searched
10
Element found at 0 and the search key is 10
```