4.

(i) Find the Kth smallest element in an Annaylist.

```
import java.util.*;

public class KthSmallest{

    psvm ( ) {

        AnnayList<Integer> list = new AnnayList <>(
            Annay.asList ( 10, 4, 7, 2, 15, 9));

        int k = 3;  // Kth smallest element

        collections.sont(list);

        Sout ("sonted list:" + list);

        Sout ( k + "nd smallest element =" + list.get(k-1));

    }

}
```

(v) check if two LinkedLists are Equal

```
import java.util.*;

public class LinkedListEqual {

    psvm ( ) {

        LinkedList<Integer> list1 = new LinkedList<>(
            Annay.asList ( 1, 2, 3) );
```

```
LinkedList<Integer> list2 = new LinkedList<>(
                Arrays.asList(1,2,3));
        if (list1.equals(list2))
            sout("Lists are equal");
        else
            sout("not equal");
    }
}
```

(ii) TreeMap - Word frequency counter

```
import java.util.*;
public class WordFrequency {
    psvm() {
        String text = "java is easy and powerful";
        TreeMap<String, Integer> map = new TreeMap<>();
        String words[] = text.split(" ");
        for (String word : words) {
            map.put(word, map.getOrDefault(word,0)+1);
        }
        sout("word frequencies:");
        sout(map);
    }
}
```