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IT-22034

```
* kth Smallest ;  
import java.util.*;  
public class kthSmallest {  
    public static int findKthSmallest (ArrayList<Integer> list; int k)  
< Collections.sort(list);  
>    return list.get(k-1);  
>  
    public static void main (String[] args) {  
        ArrayList<Integer> list = new ArrayList<> (ArrayList(7, 10, 9, 3, 20));  
        int k = 3;  
        System.out.println ("kth smallest : " + findKthSmallest (list, k));  
>    }  
>
```

* Word Frequency :-

```
import java.util.*;  
public class WordFrequency {  
    public static void main (String[] args) {  
        String text = "Rahat Bin Hafeez";  
        TreeMap<String, Integer> freqMap = new TreeMap<>();  
        for (String word: text.split(" ")) {  
            freqMap.put (word, freqMap.getOrDefault (word, 0));  
            sort (word frequencies);  
            freqMap.forEach ((word, freq) -> System.out.println (word + ": " + freq));  
>    }  
>
```

Student id to their details:-

```
import java.util.*;  
  
class student {  
    String name;  
    int age;  
    student (String name, int age)  
    {  
        this.name = name; this.age = age;  
    }  
    public String toString() {  
        return name + " (" + age + ")";  
    }  
}
```

```
public class StudentTreeMap {  
    public static void main (String[] args) {  
        TreeMap<Integer, student> studentMap = new TreeMap<>();  
        studentMap.put (102, new student ("Abir", 20));  
        studentMap.put (101, new student ("Pehar", 34));  
        studentMap.forEach ((id, student) -> System.out.println  
            (id + " : " + student));  
    }  
}
```

* If two linked list is equal:-

```
import java.util.*;
public class LinkedListEquality {
    public static void main(String[] args) {
        LinkedList<Integer> List1 = new LinkedList<> (Arrays.asList(
            1, 2, 3));
        LinkedList<Integer> List2 = new LinkedList<> (Arrays.asList(
            1, 2, 3));
        boolean Ok = List1.equals(List2);
        System.out.println("Lists are equal : " + Ok);
    }
}
```

* Employee to Departments:-

```
import java.util.*;
public class Employee Departments {
    (public static) void main(String[] args) {
        < HashMap<Integer, String> empMap = new HashMap<>();
        empMap.put(101, "HR");
        empMap.put(102, "Eng");
        empMap.forEach((id, dept) -> sout("Emp Id" + id + ": "
            + dept));
    }
}
```