

**Name: - Prathmesh Margaje**

**Program Name: - Array List**

```
package com.arraylist;
import java.util.*;
import java.util.Map.Entry;
public class ArrayListToArray {
    public static void main(String[] args) {
        NavigableMap<Integer, String> map=new NavigableMap<Integer, String>() {
            @Override
            public int size() {
                // TODO Auto-generated method stub
                return 0;
            }
            @Override
            public String remove(Object key) {
                // TODO Auto-generated method stub
                return null;
            }
            @Override
            public void putAll(Map<? extends Integer, ? extends String> m) {
                // TODO Auto-generated method stub
            }
            @Override
            public String put(Integer key, String value) {
                // TODO Auto-generated method stub
                return null;
            }
        }
    }
}
```

```
@Override
public boolean isEmpty() {
// TODO Auto-generated method stub
return false;
}
@Override
public String get(Object key) {
// TODO Auto-generated method stub
return null;
}
@Override
public boolean containsValue(Object value) {
// TODO Auto-generated method stub
return false;
}
@Override
public boolean containsKey(Object key) {
// TODO Auto-generated method stub
return false;
}
@Override
public void clear() {
// TODO Auto-generated method stub
}
@Override
public Collection<String> values() {
// TODO Auto-generated method stub
```

```
return null;
}
@Override
public Integer lastKey() {
// TODO Auto-generated method stub
return null;
}
@Override
public Set<Integer> keySet() {
// TODO Auto-generated method stub
return null;
}
@Override
public Integer firstKey() {
// TODO Auto-generated method stub
return null;
}
@Override
public Set<Entry<Integer, String>> entrySet() {
// TODO Auto-generated method stub
return null;
}
@Override
public Comparator<? super Integer> comparator() {
// TODO Auto-generated method stub
return null;
}
@Override
```

```
public NavigableMap<Integer, String> tailMap(Integer fromKey, boolean inclusive) {  
    // TODO Auto-generated method stub  
    return null;  
}  
@Override  
public SortedMap<Integer, String> tailMap(Integer fromKey) {  
    // TODO Auto-generated method stub  
    return null;  
}  
@Override  
public NavigableMap<Integer, String> subMap(Integer fromKey, boolean fromInclusive, Integer  
toKey,  
boolean toInclusive) {  
    // TODO Auto-generated method stub  
    return null;  
}  
@Override  
public SortedMap<Integer, String> subMap(Integer fromKey, Integer toKey) {  
    // TODO Auto-generated method stub  
    return null;  
}  
@Override  
public Entry<Integer, String> pollLastEntry() {  
    // TODO Auto-generated method stub  
    return null;  
}  
@Override  
public Entry<Integer, String> pollFirstEntry() {  
    // TODO Auto-generated method stub
```

```
return null;
}
@Override
public NavigableSet<Integer> navigableKeySet() {
// TODO Auto-generated method stub
return null;
}
@Override
public Integer lowerKey(Integer key) {
// TODO Auto-generated method stub
return null;
}
@Override
public Entry<Integer, String> lowerEntry(Integer key) {
// TODO Auto-generated method stub
return null;
}
@Override
public Entry<Integer, String> lastEntry() {
// TODO Auto-generated method stub
return null;
}
@Override
public Integer higherKey(Integer key) {
// TODO Auto-generated method stub
return null;
}
@Override
```

```
public Entry<Integer, String> higherEntry(Integer key) {  
    // TODO Auto-generated method stub  
    return null;  
}  
@Override  
public NavigableMap<Integer, String> headMap(Integer toKey, boolean inclusive) {  
    // TODO Auto-generated method stub  
    return null;  
}  
@Override  
public SortedMap<Integer, String> headMap(Integer toKey) {  
    // TODO Auto-generated method stub  
    return null;  
}  
@Override  
public Integer floorKey(Integer key) {  
    // TODO Auto-generated method stub  
    return null;  
}  
@Override  
public Entry<Integer, String> floorEntry(Integer key) {  
    // TODO Auto-generated method stub  
    return null;  
}  
@Override  
public Entry<Integer, String> firstEntry() {  
    // TODO Auto-generated method stub  
    return null;  
}
```

```

@Override
public NavigableMap<Integer, String> descendingMap() {
// TODO Auto-generated method stub
return null;
}
@Override
public NavigableSet<Integer> descendingKeySet() {
// TODO Auto-generated method stub
return null;
}
@Override
public Integer ceilingKey(Integer key) {
// TODO Auto-generated method stub
return null;
}
@Override
public Entry<Integer, String> ceilingEntry(Integer key) {
// TODO Auto-generated method stub
return null;
}
};
}
}
package com.arraylist;
public class Student {
private int RollNo;
private String name;
private int Age;
public Student(int rollNo, String name, int age) {
super();
RollNo = rollNo;
this.name = name;
Age = age;
}
public int getRollNo() {

```

```

return RollNo;
}
public void setRollNo(int rollNo) {
RollNo = rollNo;
}
public String getName() {
return name;
}
public void setName(String name) {
this.name = name;
}
public int getAge() {
return Age;
}
public void setAge(int age) {
Age = age;
}
@Override
public String toString() {
return "Student [RollNo=" + RollNo + ", name=" + name + ", Age=" + Age + " ]";
}
}
package com.arraylist;
import java.util.*;
public class StudentInformationDemo {
public static void main(String[] args) {
List<Student> student=new ArrayList<Student>();
student.add(new Student(11, "Atul", 18));
student.add(new Student(12, "Arvind", 21));
student.add(new Student(15, "Vishal",22));
student.add(new Student(19, "Sanket", 36));
System.out.println(student);
Iterator it=student.listIterator();
while(it.hasNext()) {
Student ob= (Student)it.next();
System.out.println(ob.getRollNo()+"\t"+ob.getName()+"\t"+ob.getAge());
}
}
}

```

## Output



