

**Name: - Atul Ratnakar Wakle**

**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



