Name: - shubham dhere

Program Name: - Array

list

```java
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;
            }
```

```java
@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
```

```java
		return
	}

	@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;
	}

	@Overrid
```

```java
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
```

```java
        return
    }

    @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;
    }

    @Overrid
```

```java
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;
}
```

```java
                        @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;
                        }
                };
        }
}
```

```java
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() {
```

```java
            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 + "]";
      }

}
```

```java
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, "shubham", 18));
            student.add(new Student(12, "deepak", 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

Markers Properties Servers Data Source Explorer Snippets Console ✕

<terminated> StudentInformationDemo [Java Application] C:\Program Files\Java\jdk-17 01\bin\javaw ae (07-Feb-20ZZ, 11'06:43 pm — 11'06:43 pm)

Stude
" A 1 $"   nameitu1, Age=18], Student [RollNo=12, nameirvind, Age=2l], Student [RollNo=l5, name=Vishal, Age=22], Student [RollNo=19, name=Sanket, Age=36]]

15   Vishal 22
19   Sanket 36