Name: - Deepak Sunil Alate

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) {
```

```java
        // 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
```

```java
 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;
```

```java
	}


	@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;
	}
```

```java
@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;

}
```

```java
@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;

}
```

```java
@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
```

```java
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() {
```

```java
  // 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
```

```java
        return null;

    }

  };

  }

}


package ArrayStudent;

public class Student {

    private int roll_no;
    private String Student_Name;
    private float mark;
    public int getRoll_no() {
        return roll_no;
    }
    public void setRoll_no(int roll_no) {
        this.roll_no = roll_no;
    }
    public String getStudent_Name() {
        return Student_Name;
    }
    public void setStudent_Name(String student_Name) {
        Student_Name = student_Name;
    }
    public float getMark() {
        return mark;
    }
    public void setMark(float mark) {
        this.mark = mark;
    }
    @Override
    public String toString() {
        return "Student [roll_no=" + roll_no + ", Student_Name=" +
Student_Name + ", mark=" + mark + "]";
    }
    public Student(int roll_no, String student_Name, float mark) {
        super();
        this.roll_no = roll_no;
        Student_Name = student_Name;
        this.mark = mark;
```

```java
        }

    }



package ArrayStudent;
import java.util..*;
public class StudentArray {


    public static void main(String[] args) {
        List<Student> list=new ArrayList<Student>();
        Student std = new Student(10,"Deepak Alate",90.09f);

        list.add(std);


            list.add(new Student(11, "Sunniraj",70.7f));
            list.add(new Student(12, "Kalpesh Kamble",60.4f));
            list.add(new Student(13, "Akash Kadam",67.4f));
            list.add(new Student(13, "Shubham Dhere",70.4f));
            System.out.println(list);



    }

}
```
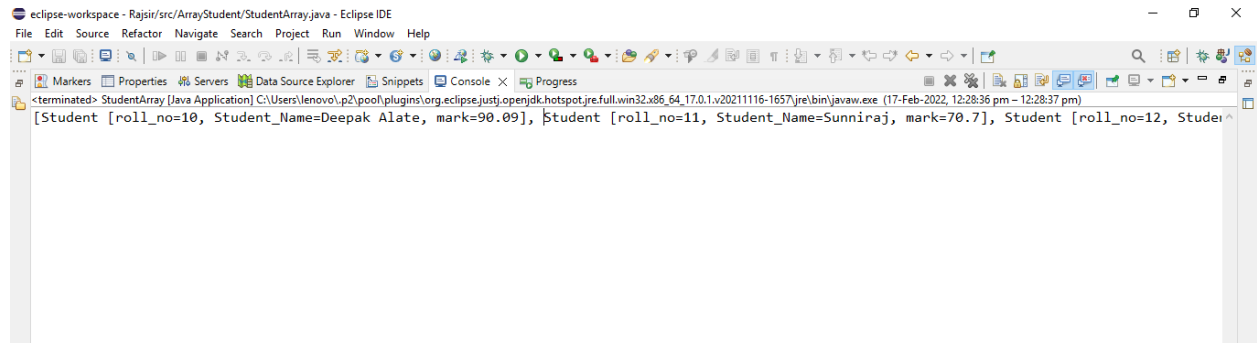
Output

eclipse-workspace - Rajsir/src/ArrayStudent/StudentArray.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

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[Student [roll_no=10, Student_Name=Deepak Alate, mark=90.09], Student [roll_no=11, Student_Name=Sunniraj, mark=70.7], Student [roll_no=12, Studer