```
Student class:
package Package55;
public class Student {
       private int rollNo;
       private String name;
       public Student(int rollNo, String name) {
              super();
              this.rollNo = rollNo;
              this.name = name;
       }
       public int getRollNo() {
              return rollNo;
       }
       public void setRollNo(int rollNo) {
              this.rollNo = rollNo;
       public String getName() {
              return name;
       }
       public void setName(String name) {
              this.name = name;
       }
       @Override
       public String toString() {
              return "Student [rollNo=" + rollNo + ", name=" + name + "]";
       }
}
Project class:
package Package;
import java.util.ArrayList;
public class Project {
       private String title;
       private ArrayList<Student> studentGroup;
       public Project(String title) {
```

```
super();
                      this.title = title;
                      this.studentGroup = new ArrayList<Student>();
               }
       public String getTitle() {
               return title;
       }
       public void setTitle(String title) {
               this.title = title;
       }
       public ArrayList<Student> getStudentGroup() {
               return studentGroup;
       }
       public void setStudentGroup(ArrayList<Student> studentGroup) {
               this.studentGroup = studentGroup;
       }
       public void addStudent(Student s1)
               this.studentGroup.add(s1);
       }
       @Override
       public String toString() {
               return "Project [title=" + title + ", studentGroup=" + studentGroup
                              + "]";
       }
}
TestProject class:
package Package;
import static org.junit.Assert.*;
import java.util.ArrayList;
import org.junit.Test;
public class TestProject {
       Student s1,s2,s3,s4,s5;
       @Test
       public void testProject()
```

```
assertEquals("FirstProject", firstProject.getTitle());
              assertTrue(firstProject.getStudentGroup()instanceof
                             ArrayList);
       }
       public void setUp()
              s1 = new Student(11,"ABC");
              s2 = new Student(12,"DEF");
              s3 = new Student(13,"GHI");
              s4 = new Student(14,"PQR");
              s5 = new Student(15,"XYZ");
       }
       @Test
       public void testAddStudent(){
              // create test objects
              setUp();
              //test initial size
              Project first = new Project("First");
              assertEquals(0, first.getStudentGroup().size());
              System.out.println("Size of student group:"+first.getStudentGroup().size());
              first.addStudent(s1);
              assertEquals(1, first.getStudentGroup().size());
              System.out.println("Size of student group:"+first.getStudentGroup().size());
              first.addStudent(s2);
              assertEquals(2, first.getStudentGroup().size());
              System.out.println("Size of student group:"+first.getStudentGroup().size());
              first.addStudent(s3);
              assertEquals(3, first.getStudentGroup().size());
              System.out.println("Size of student group:"+first.getStudentGroup().size());
              first.addStudent(s4);
              assertEquals(4, first.getStudentGroup().size());
              System.out.println("Size of student group:"+first.getStudentGroup().size());
              first.addStudent(s5);
              System.out.println(first);
       }
       public void test() {
              fail("Not yet implemented");
}
```

Project firstProject = new Project("FirstProject");

OUTPUT:
Size of student group:0 Size of student group:1 Size of student group:2 Size of student group:3 Size of student group:4 Project [title=First, studentGroup=[Student [rollNo=11, name=ABC], Student [rollNo=12, name=DEF], Student [rollNo=13, name=GHI], Student [rollNo=14, name=PQR], Student [rollNo=15, name=XYZ]]]
