

Automatic evaluation[-]

Proposed grade: 100.0 / 100

Result Description

[+]Grading and Feedback

ELearningApp/src/com/dao/Academy.java

```
1 package com.dao;
2
3
4 import java.util.List;
5
6 import com.exception.InvalidCourseException;
7 import com.exception.InvalidStudentException;
8 import com.model.Course;
9 import com.model.Student;
10
11
12
13 public class Academy {
14
15     final StudentDAO studentDAO=new StudentDAO();
16     final CourseDAO courseDAO = new CourseDAO();
17
18
19     public void addStudent(Student studentObj){
20         studentDAO.addStudent(studentObj);
21     }
22
23     public Student viewStudentById(int studentid) throws InvalidStudentException{
24         return studentDAO.viewStudentById(studentid);
25     }
26
27     public void addCourse(Course courseObj){
28         courseDAO.addCourse(courseObj);
29     }
30
31     public List<Course> viewCourseByFees(float fees) throws InvalidCourseException {
32         return courseDAO.viewCourseByFees(fees);
33     }
34
35
36 }
37
```

ELearningApp/src/com/dao/CourseDAO.java

```
1 package com.dao;
2
3 import java.util.ArrayList;
4 import java.util.List;
5
6 import com.exception.InvalidCourseException;
7
8 import com.model.Course;
9
10 public class CourseDAO {
11
12     List<Course> courseList = new ArrayList<>();
13
14     public void addCourse(Course courseObj){
```



```

15     courseList.add(courseObj);
16 }
17
18 public List<Course> viewCourseByFees(float fees) throws InvalidCourseException {
19     List<Course> temp=new ArrayList<>();
20     for(Course c : courseList){
21         if(c.getFees()>=fees)
22         {
23             temp.add(c);
24         }
25     }
26     if(temp==null) //to check of the size of the list is 0
27     {
28         throw new InvalidCourseException("No course with fees greater than
"+fees);
29     }
30     else
31     {
32         return temp;
33     }
34 }
35
36 }
37

```

ELearningApp/src/com/dao/RegistrationDAO.java

```

1 package com.dao;
2
3 import java.time.LocalDate;
4 import java.util.ArrayList;
5 import java.util.List;
6
7 import com.model.Course;
8 import com.model.Registration;
9 import com.model.Student;
10
11 public class RegistrationDAO {
12
13     List<Registration> regList = new ArrayList<>();
14
15     public void registerStudentToCourse(Student student,Course course,LocalDate dor){
16
17         Registration r = new Registration(student,course,dor,'X');
18
19         int count=0;
20
21
22         for(Registration reg : regList)
23         {
24             if(reg.getCourseObj().courseId==course.courseId)
25             {
26                 count++;
27             }
28         }
29         if(course.getMaxstrengthpermitted()>count)
30         {
31             regList.add(r);
32         }
33     }
34 }
35

```

```

33 }
34
35 }
36
ELearningApp/src/com/dao/StudentDAO.java
1 package com.dao;
2
3 import java.util.ArrayList;
4 import java.util.List;
5
6 import com.exception.InvalidStudentException;
7 import com.model.Student;
8
9 public class StudentDAO {
10
11     List<Student> studentList = new ArrayList<>();
12
13     public void addStudent(Student studentObj){
14         studentList.add(studentObj);
15     }
16
17     public Student viewStudentById(int studentid) throws InvalidStudentException{
18         if(studentList.isEmpty())
19         {
20             throw new InvalidStudentException("Student list is empty");
21         }
22         else
23         {
24             ;
25
26             for(Student s : studentList)
27             {
28                 if(s.getStudentId().equals(studentid))
29                 {
30                     return s;
31                 }
32             }
33         }
34         return null;
35     }
36 }
37
ELearningApp/src/com/exception/InvalidCourseException.java
1 package com.exception;
2
3 public class InvalidCourseException extends Exception {
4
5     public InvalidCourseException(String msg){
6         super(msg);
7     }
8
9 }
10
ELearningApp/src/com/exception/InvalidStudentException.java
1 package com.exception;
2
3 public class InvalidStudentException extends Exception {

```

```

4
5 public InvalidStudentException(String msg){
6     super(msg);
7 }
8
9 }
10
ELearningApp/src/com/model/Course.java
1 package com.model;
2
3 public class Course {
4
5     public int courseId;
6     private String courseName;
7     private float fees;
8     private int duration = 10;
9     private String trainerIncharge;
10    static final int MAXSTRENGTHPERMITTED = 100;
11    static String academyName="Akshara Acadey";
12
13    public int getCourseId() {
14        return courseId;
15    }
16    public void setCourseId(int courseId) {
17        this.courseId = courseId;
18    }
19    public String getCourseName() {
20        return courseName;
21    }
22    public void setCourseName(String courseName) {
23        this.courseName = courseName;
24    }
25    public float getFees() {
26        return fees;
27    }
28    public void setFees(float fees) {
29        this.fees = fees;
30    }
31    public int getDuration() {
32        return duration;
33    }
34    public void setDuration(int duration) {
35        this.duration = duration;
36    }
37    public String getTrainerIncharge() {
38        return trainerIncharge;
39    }
40    public void setTrainerIncharge(String trainerIncharge) {
41        this.trainerIncharge = trainerIncharge;
42    }
43    public static int getMaxstrengthpermitted() {
44        return MAXSTRENGTHPERMITTED;
45    }
46
47 }
48
ELearningApp/src/com/model/Registration.java

```

```

1 package com.model;
2
3 import java.time.LocalDate;
4
5 public class Registration {
6
7     private Student studentObj;
8     private Course courseObj;
9     private LocalDate dateOfRegistration;
10    private char grade;
11
12
13    public Registration(Student studentObj, Course courseObj, LocalDate
dateOfRegistration, char grade) {
14        this.studentObj = studentObj;
15        this.courseObj = courseObj;
16        this.dateOfRegistration = dateOfRegistration;
17        this.grade = grade;
18    }
19
20    public Student getStudentObj() {
21        return studentObj;
22    }
23
24    public void setStudentObj(Student studentObj) {
25        this.studentObj = studentObj;
26    }
27
28    public Course getCourseObj() {
29        return courseObj;
30    }
31
32    public void setCourseObj(Course courseObj) {
33        this.courseObj = courseObj;
34    }
35
36    public LocalDate getDateOfRegistration() {
37        return dateOfRegistration;
38    }
39
40    public void setDateOfRegistration(LocalDate dateOfRegistration) {
41        this.dateOfRegistration = dateOfRegistration;
42    }
43
44    public char getGrade() {
45        return grade;
46    }
47
48    public void setGrade(char grade) {
49        this.grade = grade;
50    }
51
52    public void calculateGrade(int mark){
53
54        if(mark >= 90)
55        {
56            setGrade('O');

```

```

57     }
58     else if(mark >= 70)
59     {
60         setGrade('A');
61     }
62     else
63     {
64         setGrade('B');
65     }
66 }
67 }
68
ELearningApp/src/com/model/Student.java
1 package com.model;
2
3 public class Student {
4
5     private String studentId;
6     private String studentName;
7     private String phoneNumber;
8     private String emailId;
9
10    public Student(String studentId, String studentName, String phoneNumber, String
emailId) {
11        this.studentId = studentId;
12        this.studentName = studentName;
13        this.phoneNumber = phoneNumber;
14        this.emailId = emailId;
15    }
16
17    public String getStudentId() {
18        return studentId;
19    }
20
21    public void setStudentId(String studentId) {
22        this.studentId = studentId;
23    }
24
25    public String getStudentName() {
26        return studentName;
27    }
28
29    public void setStudentName(String studentName) {
30        this.studentName = studentName;
31    }
32
33    public String getPhoneNumber() {
34        return phoneNumber;
35    }
36
37    public void setPhoneNumber(String phoneNumber) {
38        this.phoneNumber = phoneNumber;
39    }
40
41    public String getEmailId() {
42        return emailId;
43    }

```

```
44
45 public void setEmailld(String emailld) {
46     this.emailld = emailld;
47 }
48
49 }
50
```

Grade

Reviewed on Tuesday, 4 May 2021, 2:25 AM by Automatic grade

Grade 100 / 100

Assessment report

[-]Grading and Feedback

Good Programming Practice - 100.0 / 100(Success)

