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🗾 ex1.java

☑ module-info...

                            🗓 ex7.java
                                        movierunner...
                                                         Solution.java
                                                                         reverseStri...

☑ Movie1.java

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☑ Movie4.java

                                                                                                                                       ■ Institution... × ■ pgbLeve
 1 package Demo;
        public int institutionId;
        public String institutionName;
        public int noOfStudentsCleared;
        public int noOfStudentsPlaced;
        public String Location;
        public String Grade;
        public Institution(int institutionId, String institutionName, int noOfStudentsCleared, int noOfStudentsPlaced, String Location) {
            this.institutionName=institutionName;
            this.noOfStudentsPlaced=noOfStudentsPlaced;
            this.noOfStudentsCleared=noOfStudentsCleared;
19●
        public int getinstitutionId() {
            return institutionId;
        public String getinstitutionName() {
            return institutionName;
        public int getnoOfStudentsPlaced() {
            return noOfStudentsPlaced;
28€
        public int getnoOfStudentsCleared() {
            return noOfStudentsCleared;
        public String Location() {
            return Location;
340
        public String getGrade() {
            return Grade:
380
        public void setinstitutionId(int institutionId) {
            this.institutionId=institutionId;
410
        public void setinstitutionName(String institutionName) {
            this.institutionName=institutionName;
```

```
//setter method
public void setinstitutionId(int institutionId) {
    this.institutionId=institutionId:
public void setinstitutionName(String institutionName) {
    this.institutionName=institutionName:
public void setnoOfStudentsPlaced(int noOfStudentsPlaced) {
    this.noOfStudentsPlaced=noOfStudentsPlaced;
public void setnoOfStudentsCleared(int noOfStudentsCleared) {
    this.noOfStudentsCleared=noOfStudentsCleared;
public void setLocation(String Location) {
    this.Location=Location;
public void setGrade(String Grade) {
    this.Grade=Grade;
```

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module-info...
                        ☑ ex7.iava
                                     movierunner...
                                                     Solution.java
                                                                    reverseStri...

☑ Movie1.java

                                                                                                   TravelAgenci...

☑ Movie4.java

                                                                                                                                  Institution...
package Demo;
import java.util.Scanner;
    public static void main(String args[]) {
        Scanner s=new Scanner(System.in);
         Institution[] institutions = new Institution[4];
            for (int i = 0; i < 4; i++) {
                int institutionId = s.nextInt();
                s.nextLine(); // Consume newline
                String institutionName = s.nextLine();
                int noOfStudentsPlaced = s.nextInt();
                int noOfStudentsCleared = s.nextInt();
                s.nextLine(); // Consume newline
                String location = s.nextLine();
                institutions[i] = new Institution(institutionId, institutionName, noOfStudentsPlaced, noOfStudentsCleared, location);
            String searchLocation = s.nextLine();
            String searchInstitutionName = s.nextLine();
            s.close();
            int numClearances = findNumClearancedByLoc(institutions, searchLocation);
            if (numClearances > 0) {
                System.out.println(numClearances);
            } else {
                System.out.println("There are no cleared students in this particular location");
            Institution updatedInstitution = updateInstitutionGrade(institutions, searchInstitutionName);
            if (updatedInstitution != null) {
                System.out.println(updatedInstitution.getinstitutionName() + "::" + updatedInstitution.getGrade());
                System.out.println("No Institute is available with the specified name");
```

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🗓 ex1.iava
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    ■ Solution.iava

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■ Movie1.iava

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☑ Movie4.iava

                                                                                                                                       Institution
                    institutions[i] = new Institution(institutionId, institutionName, noOfStudentsPlaced, noOfStudentsCleared, location):
                String searchLocation = s.nextLine():
                String searchInstitutionName = s.nextline():
                s.close():
                int numClearances = findNumClearancedByLoc(institutions, searchLocation):
                if (numClearances > 0) {
                    System.out.println(numClearances);
                    System.out.println("There are no cleared students in this particular location"):
                Institution updatedInstitution = updateInstitutionGrade(institutions, searchInstitutionName);
                if (updatedInstitution != null) {
                    System.out.println(updatedInstitution.getinstitutionName() + "::" + updatedInstitution.getGrade()):
                    System.out.println("No Institute is available with the specified name");
            public static int findNumClearancedByLoc(Institution[] instArray, String location) {
410
                int sum = 0:
                for (Institution institution : instArray) {
                    if (institution.Location().equalsIgnoreCase(location)) {
                         sum += institution.getnoOfStudentsCleared();
                return sum;
```

```
return sum;
51●
           public static Institution updateInstitutionGrade(Institution[] instArray, String instName) {
               for (Institution institution : instArray) {
                   if (institution.getinstitutionName().equalsIgnoreCase(instName)) {
                       int rating = (institution.getnoOfStudentsPlaced() * 100) / institution.getnoOfStudentsCleared();
                       if (rating >= 80) {
                           institution.setGrade("A");
                       } else {
                           institution.setGrade("B");
                       return institution:
```

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<terminated> Solution1 [Ja
    111
    Amrita
    5000
    10000
    Chennai
    222
    Karunya
    16000
    20000
    Coimbatore
    333
    AppleTech
    10000
    12000
    Chennai
    444
    Aruna
    6000
    10000
    Vellore
    Chennai
    Karunya
15000
    Karunya::A
```