CourseRegistrationSystem - Notepad - o × (3) File Edit View import java.util.ArrayList;
import java.util.Scanner; class Course (ss Course {
private String courseId;
private String courseName; public Course(String courseId, String courseName) {
 this.courseId = courseId;
 this.courseName = courseName; public String getCourseId() { return courseId; public String getCourseName() {
 return courseName;
} @Override
public String toString() {
 return "Course ID: " + courseId + ", Course Name: " + courseName;
} class Student { private String studentId;
private String name;
private ArrayList<Course> registeredCourses; public Student(String studentId, String name) {
 this.studentId = studentId;
 this.name = name;
 this.registeredCourses = new ArrayList<>(); public String getStudentId() {
 return studentId; 100% Windows (CRLF) UTF-8 Ln 67, Col 45

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CourseRegistrationSystem - Notepad - o × (3) File Edit View } public String getName() { return name; public void registerCourse(Course course) {
 registeredCourses.add(course);
 System.out.println("Successfully registered for " + course.getCourseName()); public void viewRegisteredCourses() {
 if (registeredCourses.isEmpty()) {
 System.out.println("No registered courses.");
 } else { rise {
 System.out.println("Registered Courses:");
 for (Course course : registeredCourses) {
 System.out.println(course);
 }
} } public class CourseRegistrationSystem {
 private static ArrayList<Course> courseCatalog = new ArrayList<>();
 private static ArrayList<Student> students = new ArrayList<>(); public static void main(String[] args) {
 Scanner scanner = new Scanner(System.in);
 initializeCourses(); System.out.print("Enter student ID: "); String studentId = scanner.nextLine(); System.out.print("Enter student name: ");
String studentName = scanner.nextLine(); Student student = new Student(studentId, studentName);
students.add(student); 100% Windows (CRLF) UTF-8 Ln 67, Col 45 ^ © ENG (0) D 17:48 ♣ 🧖 🚚 🖬 🤴 🖸 🧔 🥲 🗎 🗏 🔳 Q Search

CourseRegistrationSystem - Notepad - o × (3) File Edit View students.add(student); boolean exit = false; while (lexit) {
 System.out.println("\n1. Register for a course");
 System.out.println("2. View registered courses");
 System.out.println("3. View available courses");
 System.out.println("4. Exit");
 System.out.print("Choose an option: "); int choice = scanner.nextInt(); switch (choice) {
 case 1: registerCourse(student); break; case 2: student.viewRegisteredCourses();
break; break;
case 3:
viewAvailableCourses();
break;
case 4:
exit = true;
break;
default: System.out.println("Invalid choice."); } scanner.close(); private static void initializeCourses() {
 courseCatalog.add(new Course("CSE101", "Introduction to Computer Science"));
 courseCatalog.add(new Course("MATH201", "Calculus I"));
 courseCatalog.add(new Course("PHY101", "Physics I"));
 courseCatalog.add(new Course("ENG301", "English Literature"));
} 100% Windows (CRLF) UTF-8 Ln 67, Col 45 ^ © ENG (0) D 17:49 ♣ 🥋 🐠 🖬 🤴 🧿 🌔 😭 🐞 🛍 🖺 🗏 Q Search

CourseRegistrationSystem - Notepad - o × (3) File Edit View scanner.close(); private static void initializeCourses() {
 courseCatalog.add(new Course("CSE101", "Introduction to Computer Science"));
 courseCatalog.add(new Course("MATH201", "Calculus I"));
 courseCatalog.add(new Course("PHY101", "Physics I"));
 courseCatalog.add(new Course("ENG301", "English Literature")); private static void registerCourse(Student student) {
 Scanner scanner = new Scanner(System.in);
 viewAvailableCourses(); System.out.print("Enter course ID to register: "); String courseId = scanner.nextLine(); Course selectedCourse = null; course selectedcourse = null;
for (course course : courseCatalog) {
 if (course.getCourseId().equalsIgnoreCase(courseId)) { selectedCourse = course; break; } if (selectedCourse != null) {
 student.registerCourse(selectedCourse); } else { System.out.println("Course not found."); } private static void viewAvailableCourses() {
 System.out.println("Available Courses:");
 for (Course course: courseCatalog) {
 System.out.println(course);
 }
} } 100% Windows (CRLF) UTF-8 Ln 67, Col 45 ^ © ENG (0) D 17:49 ♣ 🥋 🚚 🖬 🤴 🖸 🧔 🥲 🗎 🗏 🔳 Q Search

Command Prompt - java CourseRegistrationSystem 0 E:\T1\COGNORISEPROGRAM>javac CourseRegistrationSystem.java E:\T1\COGNORISEPROGRAM>java CourseRegistrationSystem Enter student ID: 101 Enter student name: Om Register for a course
 View registered courses 3. View available courses 3. View available courses
4. Exit
Choose an option: 1
Available Courses:
Course ID: CSE101, Course Name: Introduction to Computer Science
Course ID: MATH201, Course Name: Calculus I
Course ID: PHY101, Course Name: Physics I
Course ID: ENG301, Course Name: English Literature
Enter course ID to register: CSE101
Successfully registered for Introduction to Computer Science Successfully registered for Introduction to Computer Science 1. Register for a course 2. View registered courses 3. View available courses 4. Exit Choose an option: 2 Registered Courses: Course ID: CSE101, Course Name: Introduction to Computer Science

1. Register for a course

Negister for a course
 View registered courses
 View available courses
 Exit

Choose an option:

































