**STUDENT REGISTRATION**

import java.util.ArrayList;

import java.util.List;

import java.util.Scanner;

class Student {

String studentId;

String name;

String email;

public Student(String studentId, String name, String email) {

this.studentId = studentId;

this.name = name;

this.email = email;

}

@Override

public String toString() {

return "Student ID: " + studentId + ", Name: " + name + ", Email: " + email;

}

}

public class StudentRegistrationSystem {

static List<Student> students = new ArrayList<>();

static Scanner scanner = new Scanner(System.in);

public static void main(String[] args) {

mainMenu();

}

private static void mainMenu() {

while (true) {

System.out.println("\n--- Student Registration System ---");

System.out.println("1. Register Student");

System.out.println("2. List Students");

System.out.println("3. Search Student");

System.out.println("4. Exit");

System.out.print("Choose an option: ");

int choice = scanner.nextInt();

scanner.nextLine(); // Consume newline

switch (choice) {

case 1:

registerStudent();

break;

case 2:

listStudents();

break;

case 3:

searchStudent();

break;

case 4:

System.out.println("Exiting...");

return;

default:

System.out.println("Invalid option. Try again.");

}

}

}

private static void registerStudent() {

System.out.print("Enter Student ID: ");

String studentId = scanner.nextLine();

System.out.print("Enter Student Name: ");

String name = scanner.nextLine();

System.out.print("Enter Student Email: ");

String email = scanner.nextLine();

Student student = new Student(studentId, name, email);

students.add(student);

System.out.println("Student registered successfully!");

}

private static void listStudents() {

System.out.println("\nRegistered Students:");

for (Student student : students) {

System.out.println(student);

}

}

private static void searchStudent() {

System.out.print("Enter Student ID to search: ");

String studentId = scanner.nextLine();

for (Student student : students) {

if (student.studentId.equals(studentId)) {

System.out.println(student);

return;

}

}

System.out.println("Student not found.");

}

}

**BY**

**PRETHIBA.J**