import java.util.ArrayList;

import java.util.Scanner;

public class TaskList {

public static void main(String[] args) {

ArrayList<String> tasks = new ArrayList<>();

Scanner scanner = new Scanner(System.in);

while (true) {

System.out.println("\nTask List Menu:");

System.out.println("1. Add Task");

System.out.println("2. Remove Task");

System.out.println("3. View Tasks");

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

System.out.print("Enter your choice: ");

int choice = scanner.nextInt();

scanner.nextLine(); // Consume newline character

switch (choice) {

case 1:

System.out.print("Enter task to add: ");

String newTask = scanner.nextLine();

tasks.add(newTask);

System.out.println("Task added: " + newTask);

break;

case 2:

if (tasks.isEmpty()) {

System.out.println("Task list is empty.");

} else {

System.out.print("Enter index of task to remove (0-" + (tasks.size() - 1) + "): ");

int index = scanner.nextInt();

scanner.nextLine(); // Consume newline character

if (index >= 0 && index < tasks.size()) {

String removedTask = tasks.remove(index);

System.out.println("Task removed: " + removedTask);

} else {

System.out.println("Invalid index.");

}

}

break;

case 3:

if (tasks.isEmpty()) {

System.out.println("Task list is empty.");

} else {

System.out.println("\nTasks:");

for (int i = 0; i < tasks.size(); i++) {

System.out.println((i + 1) + ". " + tasks.get(i));

}

}

break;

case 4:

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

scanner.close();

System.exit(0);

break;

default:

System.out.println("Invalid choice. Please enter a number between 1 and 4.");

break;

}

}

}

}