import java.util.\*;

class SalesRecord {

private String ID;

private String Sold;

public SalesRecord(String ID, String Sold) {

this.ID = ID;

this.Sold = Sold;

}

public String getID() {

return ID;

}

public String getSold() {

return Sold;

}

@Override

public String toString() {

return "enter ID: " + ID + ", Laptop Sold: " + Sold;

}

}

class SalesRecordManager {

private LinkedList<SalesRecord> salesRecords = new LinkedList<>();

// Add a record to the salesRecords list

public void addRecord(SalesRecord record) {

salesRecords.add(record); // Append to the end of the list

System.out.println("Record added successfully.");

}

// Delete a record by bill number

public void deleteRecord(String billNumber) {

boolean found = false;

Iterator<SalesRecord> iterator = salesRecords.iterator();

while (iterator.hasNext()) {

SalesRecord record = iterator.next();

if (record.getID().equalsIgnoreCase(billNumber)) {

iterator.remove();

System.out.println("Record deleted successfully.");

found = true;

break;

}

}

if (!found) {

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

}

}

// Search for a record by bill number

public void searchRecord(String ID) {

for (SalesRecord record : salesRecords) {

if (record.getID().equalsIgnoreCase(ID)) {

System.out.println("Record found: " + record);

return;

}

}

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

}

// Display all sales records

public void displayRecords() {

if (salesRecords.isEmpty()) {

System.out.println("No records to display.");

} else {

System.out.println("Sales Records:");

for (SalesRecord record : salesRecords) {

System.out.println(record);

}

}

}

}

class MenuDrivenProgram {

public static void main(String[] args) {

SalesRecordManager manager = new SalesRecordManager();

Scanner scanner = new Scanner(System.in);

int choice;

do {

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

System.out.println("1. Add a Laptop Solds");

System.out.println("2. Delete a Laptop Solds");

System.out.println("3. Display All Laptop Solds");

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

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

choice = scanner.nextInt();

switch (choice) {

case 1:

scanner.nextLine(); // Consume newline

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

String ID = scanner.nextLine();

System.out.print("Enter Number of Laptop Solds: ");

String Sold = scanner.nextLine();

SalesRecord record = new SalesRecord(ID, Sold);

manager.addRecord(record);

break;

case 2:

scanner.nextLine(); // Consume newline

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

String deleteSold = scanner.nextLine();

manager.deleteRecord(deleteSold);

break;

case 3:

manager.displayRecords();

break;

case 4:

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

break;

default:

System.out.println("Please try again Later.");

}

} while (choice != 4);

scanner.close();

}

}