import java.util.Scanner;

public class RedBusBooking {

public static void main(String[] args) {

String[] seats = new String[10];

Scanner sc = new Scanner(System.in);

int choice;

do {

System.out.println("\n1. Book Seat");

System.out.println("2. View Seats");

System.out.println("3. Exit");

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

choice = sc.nextInt();

sc.nextLine();

switch (choice) {

case 1:

System.out.print("Enter seat number (1-10): ");

int seatNo = sc.nextInt();

sc.nextLine();

if (seatNo < 1 || seatNo > 10) {

System.out.println("Invalid seat number!");

} else if (seats[seatNo - 1] != null) {

System.out.println("Seat already booked by " + seats[seatNo - 1]);

} else {

System.out.print("Enter passenger name: ");

seats[seatNo - 1] = sc.nextLine();

System.out.println("Seat booked!");

}

break;

case 2:

System.out.println("\n--- Seat Status ---");

for (int i = 0; i < seats.length; i++) {

if (seats[i] == null)

System.out.println("Seat " + (i + 1) + " is available");

else

System.out.println("Seat " + (i + 1) + " booked by " + seats[i]);

}

break;

case 3:

System.out.println("Thank you for booking with RedBus!");

break;

default:

System.out.println("Invalid choice!");

}

} while (choice != 3);

sc.close();

}

}