```
import java.util.HashSet;
import java.util.Scanner;

public class FlightBooking {
    // Represents the total number of seats in the
flight
    private static final int TOTAL_SEATS = 10;

    // A set to store booked seats
    private static HashSet<Integer> bookedSeats =
new HashSet<>();

    // Method to display available seats
    public static void displayAvailableSeats() {
        System.out.print("Available seats: ");
        for (int i = 1; i <= TOTAL_SEATS; i++) {
            if (!bookedSeats.contains(i)) {
                System.out.print(i + " ");
            }
        }
        System.out.println();
    }

    // Method to book a seat
    public static void bookSeat(int seatNumber) {
        if (seatNumber < 1 || seatNumber >
TOTAL_SEATS) {
            System.out.println("Invalid seat number.
Please choose a seat between 1 and " +
TOTAL_SEATS + ".");
        } else if (bookedSeats.contains(seatNumber))
{
            System.out.println("Seat " + seatNumber + "
is already booked. Please choose another seat.");
        } else {
            bookedSeats.add(seatNumber);
```

```
            System.out.println("Seat " + seatNumber + "
has been successfully booked.");
        }
    }

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        while (bookedSeats.size() < TOTAL_SEATS) {
            System.out.println("\nFlight Seat Booking
System");
            displayAvailableSeats();

            System.out.print("Enter the seat number
you want to book: ");
            int seatNumber = scanner.nextInt();

            bookSeat(seatNumber);

            System.out.println("Do you want to book
another seat? (yes/no)");
            String response = scanner.next();
            if (response.equalsIgnoreCase("no")) {
                break;
            }
        }

        if (bookedSeats.size() == TOTAL_SEATS) {
            System.out.println("All seats are booked.
No more bookings can be made.");
        }

        scanner.close();
    }
}
```