**SeatNotAvailableException**

An organization is organizing a charity fate for the well being of poor kids. Since the manager was running short on time, he asked you to help him with the ticket bookings. You being from a programming background decide to design a program that asks the user about the seat number they want. Seat booking details are stored in an array. If the seat number requested is available booking should be done else print the message " SeatNotAvailableException". If the seat number requested is not in the range throws an exception ArrayIndexOutOfBoundsException.

**Write a program to throw a custom exception based on the inputs and constraints given.**

Create a class SeatNotAvailableException that extends Exception.

In the Main class, create an array of size n\*n (n rows each with n seats) which is got from the user. Get the tickets to be booked from the user and handle any exception that occurs in Main Class. (Take seat numbers from 0 to (n\*n)-1)

**Note:**

Vacant seats are denoted by (0) and booked seats are denoted by (1).

Show message as "Already Booked" as a Custom exception.

**Input and Output format:**

Refer sample Input and Output for formatting specifications.t of the output.

[All Texts in bold corresponds to the input and rest are output]

**Sample Input and Output 1:**

Enter the number of rows and columns of the show:

3

Enter the number of seats to be booked:

2

Enter the seat number 1

8

Enter the seat number 2

0

The seats booked are:

1 0 0

0 0 0

0 0 1

**Sample Input and Output 2:**

Enter the number of rows and columns of the show:

3

Enter the number of seats to be booked:

2

Enter the seat number 1

9

java.lang.ArrayIndexOutOfBoundsException: 9

The seats booked are:

0 0 0

0 0 0

0 0 0

**Sample Input and Output 3:**

Enter the number of rows and columns of the show:

4

Enter the number of seats to be booked:

3

Enter the seat number 1

15

Enter the seat number 2

14

Enter the seat number 3

15

SeatNotAvailableException: Already Booked

The seats booked are:

0 0 0 0

0 0 0 0

0 0 0 0

0 0 1 1