Worksheet-1: C++ Basics

TASK - 3

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Task 3: Programming Exercises on Arrays

1. Write a program that manages a cinema ticket booking system. The program should display a 5x5 seating arrangement where:

1. Available seats are marked with 'O'
2. Booked seats are marked with 'X'

Program should:

1. Display the current seating arrangement
2. Ask user for row and column number (1-5) for booking
3. Mark that seat as booked ('X')
4. Show updated seating after each booking
5. Display error if user selects already booked seat
6. Display error if user enters invalid row/column numbers

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Current Seating Arrangement:
O O O O O
O O O O O
O O O O O
O O O O O
O O O O O
------------------------------
Enter the row (1-5) to book your seat: 1
Enter the column (1-5) to book your seat: 1
Seat booked successfully!
Do you want to book another seat? (Y/N): y
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Current Seating Arrangement:
X O O O O
O O O O O
O O O O O
O O O O O
O O O O O
------------------------------
Enter the row (1-5) to book your seat:
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```
Current Seating Arrangement:
O O O O O
O O X O O
O O O O O
O O O O O
O O O O O
------------------------------
Enter the row (1-5) to book your seat: 3
Enter the column (1-5) to book your seat: 3
Seat booked successfully!
Do you want to book another seat? (Y/N): y
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Current Seating Arrangement:
O O O O O
O O X O O
O O X O O
O O O O O
O O O O O
------------------------------
Enter the row (1-5) to book your seat: 2
Enter the column (1-5) to book your seat: 2
Seat booked successfully!
Do you want to book another seat? (Y/N): n
Thank you for using the Cinema Booking System!

Process returned 0 (0x0)   execution time : 34.727 s
Press any key to continue.
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