

Zac Robbins
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00100125
CS 317 – Project 3

Movie 1:

Microsoft Visual Studio Debug Console

```
Welcome!
Movie Menu:
1) Free Birds 3:30
2) Beethoven 5:30
3) Free Birds 6:00
4) Beethoven 7:30

Adult Tickets are: $6.00 (matinee before 6:00pm) $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm) $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
-1
That is not a valid option, please enter a choice from the menu above:
1
How many adult tickets are needed?
-2
That is an invalid choice, please enter a number greater than or equal to zero:
2
How many child tickets are needed?
1

Seats:  1  2  3  4  5  6  7  8
Row 1:  * * * * * * * *
Row 2:  * * * * * * * *
Row 3:  * * * * * * * *
Row 4:  * * * * * * * *
Row 5:  * * * * * * * *
Row 6:  * * * * * * * *
Row 7:  * * * * * * * *

Please choose the row and column where you would like to seat your 3 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
0
That is an invalid row choice, please try again:
4
Enter the column for ticket 1:
-4
That is an invalid column choice, please try again:
4

Seats:  1  2  3  4  5  6  7  8
Row 1:  * * * * * * * *
Row 2:  * * * * * * * *
Row 3:  * * * * * * * *
Row 4:  * * * # * * * *
Row 5:  * * * * * * * *
Row 6:  * * * * * * * *
Row 7:  * * * * * * * *

Enter the row for ticket 2:
4
```

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```
Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  *  *  *  *  *
Row 3:  *  *  *  *  *  *  *  *
Row 4:  *  *  *  #  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *
Enter the row for ticket 2:
4
Enter the column for ticket 2:
5

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  *  *  *  *  *
Row 3:  *  *  *  *  *  *  *  *
Row 4:  *  *  *  #  #  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *
Enter the row for ticket 3:
4
Enter the column for ticket 3:
9
That is an invalid column choice, please try again:
6

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  *  *  *  *  *
Row 3:  *  *  *  *  *  *  *  *
Row 4:  *  *  *  #  #  #  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *
Your total purchase today is $16.00
Thank you, and enjoy the movie!
```

```
Welcome!
Movie Menu:
1) Free Birds   3:30
2) Beethoven    5:30
3) Free Birds   6:00
4) Beethoven    7:30
```

```
Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)
```

```
Please enter the menu number of your movie choice(1-4):
```

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```
Welcome!
Movie Menu:
1) Free Birds  3:30
2) Beethoven   5:30
3) Free Birds  6:00
4) Beethoven   7:30

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
7
That is not a valid option, please enter a choice from the menu above:
1
How many adult tickets are needed?
1
How many child tickets are needed?
2

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  *  *  *  *  *
Row 3:  *  *  *  X  X  X  *  *
Row 4:  *  *  X  #  #  #  X  *
Row 5:  *  *  *  X  X  X  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *

Please choose the row and column where you would like to seat your 3 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
8
That is an invalid row choice, please try again:
7
Enter the column for ticket 1:
8

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  *  *  *  *  *
Row 3:  *  *  *  X  X  X  *  *
Row 4:  *  *  X  #  #  #  X  *
Row 5:  *  *  *  X  X  X  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  #

Enter the row for ticket 2:
7
Enter the column for ticket 2:
7
```

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```
Enter the row for ticket 2:
7
Enter the column for ticket 2:
7

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  *  *  *  *  *
Row 3:  *  *  *  X  X  X  *  *
Row 4:  *  *  X  #  #  #  X  *
Row 5:  *  *  *  X  X  X  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  #  #
Enter the row for ticket 3:
7
Enter the column for ticket 3:
6

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  *  *  *  *  *
Row 3:  *  *  *  X  X  X  *  *
Row 4:  *  *  X  #  #  #  X  *
Row 5:  *  *  *  X  X  X  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  #  #  #
Your total purchase today is $14.00
Thank you, and enjoy the movie!
```

Welcome!

Movie Menu:

- 1) Free Birds 3:30
- 2) Beethoven 5:30
- 3) Free Birds 6:00
- 4) Beethoven 7:30

Adult Tickets are: \$6.00 (matinee before 6:00pm) \$8.00 (evening)
Child Tickets are: \$4.00 (matinee before 6:00pm) \$6.00 (evening)

Please enter the menu number of your movie choice(1-4):

-2

That is not a valid option, please enter a choice from the menu above:

2

How many adult tickets are needed?

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```
Welcome!
Movie Menu:
1) Free Birds 3:30
2) Beethoven 5:30
3) Free Birds 6:00
4) Beethoven 7:30

Adult Tickets are: $6.00 (matinee before 6:00pm) $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm) $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
1
How many adult tickets are needed?
1
How many child tickets are needed?
3

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  *  *  *  *  *
Row 3:  *  *  *  X  X  X  *  *
Row 4:  *  *  X  #  #  #  X  *
Row 5:  *  *  *  X  X  X  *  *
Row 6:  *  *  *  *  *  X  X  X
Row 7:  *  *  *  *  X  #  #  #

Please choose the row and column where you would like to seat your 4 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
2
Enter the column for ticket 1:
1

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  #  *  *  *  *  *  *  *
Row 3:  *  *  *  X  X  X  *  *
Row 4:  *  *  X  #  #  #  X  *
Row 5:  *  *  *  X  X  X  *  *
Row 6:  *  *  *  *  *  X  X  X
Row 7:  *  *  *  *  X  #  #  #

Enter the row for ticket 2:
2
Enter the column for ticket 2:
2
```

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```
Row 7: * * * * X # # #
Enter the row for ticket 2:
2
Enter the column for ticket 2:
2

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  #  #  *  *  *  *  *  *
Row 3:  *  *  *  X  X  X  *  *
Row 4:  *  *  X  #  #  #  X  *
Row 5:  *  *  *  X  X  X  *  *
Row 6:  *  *  *  *  *  X  X  X
Row 7:  *  *  *  *  X  #  #  #
Enter the row for ticket 3:
2
Enter the column for ticket 3:
3

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  #  #  #  *  *  *  *  *
Row 3:  *  *  *  X  X  X  *  *
Row 4:  *  *  X  #  #  #  X  *
Row 5:  *  *  *  X  X  X  *  *
Row 6:  *  *  *  *  *  X  X  X
Row 7:  *  *  *  *  X  #  #  #
Enter the row for ticket 4:
2
Enter the column for ticket 4:
4

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  #  #  #  #  *  *  *  *
Row 3:  *  *  *  X  X  X  *  *
Row 4:  *  *  X  #  #  #  X  *
Row 5:  *  *  *  X  X  X  *  *
Row 6:  *  *  *  *  *  X  X  X
Row 7:  *  *  *  *  X  #  #  #
Your total purchase today is $18.00
Thank you, and enjoy the movie!

Welcome!
Movie Menu:
1) Free Birds 3:30
```

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```
Welcome!
Movie Menu:
1) Free Birds 3:30
2) Beethoven 5:30
3) Free Birds 6:00
4) Beethoven 7:30

Adult Tickets are: $6.00 (matinee before 6:00pm) $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm) $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
1
How many adult tickets are needed?
0
How many child tickets are needed?
-2
That is an invalid choice, please enter a number greater than or equal to zero:
2

Seats: 1 2 3 4 5 6 7 8
Row 1: X X X X * * * *
Row 2: # # # # X * * *
Row 3: X X X X X X * *
Row 4: * * X # # # X *
Row 5: * * * X X X * *
Row 6: * * * * * X X X
Row 7: * * * * X # # #

Please choose the row and column where you would like to seat your 2 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
5
Enter the column for ticket 1:
-1
That is an invalid column choice, please try again:
1

Seats: 1 2 3 4 5 6 7 8
Row 1: X X X X * * * *
Row 2: # # # # X * * *
Row 3: X X X X X X * *
Row 4: * * X # # # X *
Row 5: # * * X X X * *
Row 6: * * * * * X X X
Row 7: * * * * X # # #

Enter the row for ticket 2:
5
Enter the column for ticket 2:
2
```

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```
Enter the row for ticket 2:
5
Enter the column for ticket 2:
2

Seats:  1  2  3  4  5  6  7  8
Row 1:  X  X  X  X  *  *  *  *
Row 2:  #  #  #  #  X  *  *  *
Row 3:  X  X  X  X  X  X  *  *
Row 4:  *  *  X  #  #  #  X  *
Row 5:  #  #  *  X  X  X  *  *
Row 6:  *  *  *  *  *  X  X  X
Row 7:  *  *  *  *  X  #  #  #
Your total purchase today is $8.00
Thank you, and enjoy the movie!
```

```
Welcome!
Movie Menu:
1) Free Birds   3:30
2) Beethoven    5:30
3) Free Birds   6:00
4) Beethoven    7:30
```

```
Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)
```

```
Please enter the menu number of your movie choice(1-4):
```

```
1
```

```
How many adult tickets are needed?
```

```
2
```

```
How many child tickets are needed?
```

```
2
```

```
Seats:  1  2  3  4  5  6  7  8
Row 1:  X  X  X  X  *  *  *  *
Row 2:  #  #  #  #  X  *  *  *
Row 3:  X  X  X  X  X  X  *  *
Row 4:  X  X  X  #  #  #  X  *
Row 5:  #  #  X  X  X  X  *  *
Row 6:  X  X  *  *  *  X  X  X
Row 7:  *  *  *  *  X  #  #  #
```

```
Please choose the row and column where you would like to seat your 4 seats.
```


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```
How many adult tickets are needed?
2
How many child tickets are needed?
2

Seats:  1  2  3  4  5  6  7  8
Row 1:  X  X  X  X  *  *  *  *
Row 2:  #  #  #  #  X  *  *  *
Row 3:  X  X  X  X  X  X  *  *
Row 4:  X  X  X  #  #  #  X  *
Row 5:  #  #  X  X  X  X  *  *
Row 6:  X  X  *  *  *  X  X  X
Row 7:  *  *  *  *  X  #  #  #

Please choose the row and column where you would like to seat your 4 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
6
Enter the column for ticket 1:
1
That seat is either taken or blocked for pandemic distancing, please choose another seat.
Enter the row for ticket 1:
7
Enter the column for ticket 1:
1

Seats:  1  2  3  4  5  6  7  8
Row 1:  X  X  X  X  *  *  *  *
Row 2:  #  #  #  #  X  *  *  *
Row 3:  X  X  X  X  X  X  *  *
Row 4:  X  X  X  #  #  #  X  *
Row 5:  #  #  X  X  X  X  *  *
Row 6:  X  X  *  *  *  X  X  X
Row 7:  #  *  *  *  X  #  #  #

Enter the row for ticket 2:
7
Enter the column for ticket 2:
2
```

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```
Enter the row for ticket 2:
7
Enter the column for ticket 2:
2

Seats:   1   2   3   4   5   6   7   8
Row 1:   X   X   X   X   *   *   *   *
Row 2:   #   #   #   #   X   *   *   *
Row 3:   X   X   X   X   X   X   *   *
Row 4:   X   X   X   #   #   #   X   *
Row 5:   #   #   X   X   X   X   *   *
Row 6:   X   X   *   *   *   X   X   X
Row 7:   #   #   *   *   X   #   #   #
Enter the row for ticket 3:
7
Enter the column for ticket 3:
3

Seats:   1   2   3   4   5   6   7   8
Row 1:   X   X   X   X   *   *   *   *
Row 2:   #   #   #   #   X   *   *   *
Row 3:   X   X   X   X   X   X   *   *
Row 4:   X   X   X   #   #   #   X   *
Row 5:   #   #   X   X   X   X   *   *
Row 6:   X   X   *   *   *   X   X   X
Row 7:   #   #   #   *   X   #   #   #
Enter the row for ticket 4:
7
Enter the column for ticket 4:
4

Seats:   1   2   3   4   5   6   7   8
Row 1:   X   X   X   X   *   *   *   *
Row 2:   #   #   #   #   X   *   *   *
Row 3:   X   X   X   X   X   X   *   *
Row 4:   X   X   X   #   #   #   X   *
Row 5:   #   #   X   X   X   X   *   *
Row 6:   X   X   *   *   *   X   X   X
Row 7:   #   #   #   #   X   #   #   #
Your total purchase today is $20.00
Thank you, and enjoy the movie!

Welcome!
Movie Menu:
```

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Movie 2:

```
Welcome!
Movie Menu:
1) Free Birds  3:30
2) Beethoven   5:30
3) Free Birds  6:00
4) Beethoven   7:30

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
-2
That is not a valid option, please enter a choice from the menu above:
2
How many adult tickets are needed?
3
How many child tickets are needed?
0

Seats:  1  2  3  4  5  6  7  8
Row 1:  * * * * * * * *
Row 2:  * * * * * * * *
Row 3:  * * * * * * * *
Row 4:  * * * * * * * *
Row 5:  * * * * * * * *
Row 6:  * * * * * * * *
Row 7:  * * * * * * * *

Please choose the row and column where you would like to seat your 3 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
3
Enter the column for ticket 1:
0
That is an invalid column choice, please try again:
3

Seats:  1  2  3  4  5  6  7  8
Row 1:  * * * * * * * *
Row 2:  * * * * * * * *
Row 3:  * * # * * * * *
Row 4:  * * * * * * * *
Row 5:  * * * * * * * *
Row 6:  * * * * * * * *
Row 7:  * * * * * * * *

Enter the row for ticket 2:
3
Enter the column for ticket 2:
2
```

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```
Enter the row for ticket 2:
3
Enter the column for ticket 2:
2

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  *  *  *  *  *
Row 3:  *  #  #  *  *  *  *  *
Row 4:  *  *  *  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *
Enter the row for ticket 3:
3
Enter the column for ticket 3:
1

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  *  *  *  *  *
Row 3:  #  #  #  *  *  *  *  *
Row 4:  *  *  *  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *
Your total purchase today is $18.00
Thank you, and enjoy the movie!
```

Welcome!

Movie Menu:

- 1) Free Birds 3:30
- 2) Beethoven 5:30
- 3) Free Birds 6:00
- 4) Beethoven 7:30

Adult Tickets are: \$6.00 (matinee before 6:00pm) \$8.00 (evening)
Child Tickets are: \$4.00 (matinee before 6:00pm) \$6.00 (evening)

Please enter the menu number of your movie choice(1-4):

2

How many adult tickets are needed?

2

How many child tickets are needed?

2

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```
Please enter the menu number of your movie choice(1-4):
2
How many adult tickets are needed?
2
How many child tickets are needed?
2

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  *  *  *  *  *
Row 3:  #  #  #  X  *  *  *  *
Row 4:  X  X  X  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *

Please choose the row and column where you would like to seat your 4 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
4
Enter the column for ticket 1:
3
That seat is either taken or blocked for pandemic distancing, please choose another seat.
Enter the row for ticket 1:
4
Enter the column for ticket 1:
4

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  *  *  *  *  *
Row 3:  #  #  #  X  *  *  *  *
Row 4:  X  X  X  #  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *

Enter the row for ticket 2:
4
Enter the column for ticket 2:
5

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  *  *  *  *  *
Row 3:  #  #  #  X  *  *  *  *
Row 4:  X  X  X  #  #  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *

Enter the row for ticket 3:
4
```

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```
Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  *  *  *  *  *
Row 3:  #  #  #  X  *  *  *  *
Row 4:  X  X  X  #  #  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *
```

Enter the row for ticket 3:

4

Enter the column for ticket 3:

6

```
Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  *  *  *  *  *
Row 3:  #  #  #  X  *  *  *  *
Row 4:  X  X  X  #  #  #  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *
```

Enter the row for ticket 4:

4

Enter the column for ticket 4:

7

```
Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  *  *  *  *  *
Row 3:  #  #  #  X  *  *  *  *
Row 4:  X  X  X  #  #  #  #  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *
```

Your total purchase today is \$20.00

Thank you, and enjoy the movie!

Welcome!

Movie Menu:

- 1) Free Birds 3:30
- 2) Beethoven 5:30
- 3) Free Birds 6:00
- 4) Beethoven 7:30

Adult Tickets are: \$6.00 (matinee before 6:00pm) \$8.00 (evening)

Child Tickets are: \$4.00 (matinee before 6:00pm) \$6.00 (evening)

Please enter the menu number of your movie choice(1-4):

1

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```
ROW 7: * * * * X # # #
Your total purchase today is $18.00
Thank you, and enjoy the movie!

Welcome!
Movie Menu:
1) Free Birds 3:30
2) Beethoven 5:30
3) Free Birds 6:00
4) Beethoven 7:30

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
2
How many adult tickets are needed?
5
How many child tickets are needed?
0

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  *  *  *  *  *
Row 3:  #  #  #  X  X  X  X  *
Row 4:  X  X  X  #  #  #  #  X
Row 5:  *  *  *  X  X  X  X  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *

Please choose the row and column where you would like to seat your 5 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
8
That is an invalid row choice, please try again:
7
Enter the column for ticket 1:
-5
That is an invalid column choice, please try again:
5
```

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```
7
Enter the column for ticket 1:
-5
That is an invalid column choice, please try again:
5
```

```
Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  *  *  *  *  *
Row 3:  #  #  #  X  X  X  X  *
Row 4:  X  X  X  #  #  #  #  X
Row 5:  *  *  *  X  X  X  X  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  #  *  *  *
```

```
Enter the row for ticket 2:
7
Enter the column for ticket 2:
4
```

```
Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  *  *  *  *  *
Row 3:  #  #  #  X  X  X  X  *
Row 4:  X  X  X  #  #  #  #  X
Row 5:  *  *  *  X  X  X  X  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  #  #  *  *  *
```

```
Enter the row for ticket 3:
7
Enter the column for ticket 3:
6
```

```
Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  *  *  *  *  *
Row 3:  #  #  #  X  X  X  X  *
Row 4:  X  X  X  #  #  #  #  X
Row 5:  *  *  *  X  X  X  X  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  #  #  #  *  *
```

```
Enter the row for ticket 4:
7
Enter the column for ticket 4:
3
```


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Enter the row for ticket 4:

7

Enter the column for ticket 4:

3

Seats:	1	2	3	4	5	6	7	8
Row 1:	*	*	*	*	*	*	*	*
Row 2:	X	X	X	*	*	*	*	*
Row 3:	#	#	#	X	X	X	X	*
Row 4:	X	X	X	#	#	#	#	X
Row 5:	*	*	*	X	X	X	X	*
Row 6:	*	*	*	*	*	*	*	*
Row 7:	*	*	#	#	#	#	*	*

Enter the row for ticket 5:

7

Enter the column for ticket 5:

7

Seats:	1	2	3	4	5	6	7	8
Row 1:	*	*	*	*	*	*	*	*
Row 2:	X	X	X	*	*	*	*	*
Row 3:	#	#	#	X	X	X	X	*
Row 4:	X	X	X	#	#	#	#	X
Row 5:	*	*	*	X	X	X	X	*
Row 6:	*	*	*	*	*	*	*	*
Row 7:	*	*	#	#	#	#	#	*

Your total purchase today is \$30.00

Thank you, and enjoy the movie!

Welcome!

Movie Menu:

- 1) Free Birds 3:30
- 2) Beethoven 5:30
- 3) Free Birds 6:00
- 4) Beethoven 7:30

Adult Tickets are: \$6.00 (matinee before 6:00pm) \$8.00 (evening)

Child Tickets are: \$4.00 (matinee before 6:00pm) \$6.00 (evening)

Please enter the menu number of your movie choice(1-4):

1

How many adult tickets are needed?

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Your total purchase today is \$20.00
Thank you, and enjoy the movie!

Welcome!

Movie Menu:

- 1) Free Birds 3:30
- 2) Beethoven 5:30
- 3) Free Birds 6:00
- 4) Beethoven 7:30

Adult Tickets are: \$6.00 (matinee before 6:00pm) \$8.00 (evening)
Child Tickets are: \$4.00 (matinee before 6:00pm) \$6.00 (evening)

Please enter the menu number of your movie choice(1-4):

2

How many adult tickets are needed?

1

How many child tickets are needed?

0

Seats: 1 2 3 4 5 6 7 8
Row 1: * * * * * * * *
Row 2: X X X * * * * *
Row 3: # # # X X X X *
Row 4: X X X # # # # X
Row 5: * * * X X X X *
Row 6: * * X X X X X *
Row 7: * X # # # # # X

Please choose the row and column where you would like to seat your 1 seats.

An asterisk indicates an available space. A pound sign indicates a seat that is already taken.

An X indicates a seat blocked due to pandemic distancing.

Enter the row for ticket 1:

6

Enter the column for ticket 1:

1

Seats: 1 2 3 4 5 6 7 8
Row 1: * * * * * * * *
Row 2: X X X * * * * *
Row 3: # # # X X X X *
Row 4: X X X # # # # X
Row 5: * * * X X X X *
Row 6: # * X X X X X *
Row 7: * X # # # # # X

Your total purchase today is \$6.00

Thank you, and enjoy the movie!

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```
Row 7:  X  W  W  W  W  W  X
Your total purchase today is $6.00
Thank you, and enjoy the movie!

Welcome!
Movie Menu:
1) Free Birds  3:30
2) Beethoven   5:30
3) Free Birds  6:00
4) Beethoven   7:30

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
2
How many adult tickets are needed?
2
How many child tickets are needed?
1

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  *  *  *  *  *
Row 3:  #  #  #  X  X  X  X  *
Row 4:  X  X  X  #  #  #  #  X
Row 5:  X  *  *  X  X  X  X  *
Row 6:  #  X  X  X  X  X  X  *
Row 7:  X  X  #  #  #  #  #  X

Please choose the row and column where you would like to seat your 3 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
3
Enter the column for ticket 1:
5
That seat is either taken or blocked for pandemic distancing, please choose another seat.
Enter the row for ticket 1:
2
Enter the column for ticket 1:
5
```

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```
Enter the row for ticket 1:
2
Enter the column for ticket 1:
5

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  *  #  *  *  *
Row 3:  #  #  #  X  X  X  X  *
Row 4:  X  X  X  #  #  #  #  X
Row 5:  X  *  *  X  X  X  X  *
Row 6:  #  X  X  X  X  X  X  *
Row 7:  X  X  #  #  #  #  #  X
Enter the row for ticket 2:
2
Enter the column for ticket 2:
4

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  #  #  *  *  *
Row 3:  #  #  #  X  X  X  X  *
Row 4:  X  X  X  #  #  #  #  X
Row 5:  X  *  *  X  X  X  X  *
Row 6:  #  X  X  X  X  X  X  *
Row 7:  X  X  #  #  #  #  #  X
Enter the row for ticket 3:
2
Enter the column for ticket 3:
6

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  X  X  X  #  #  #  *  *
Row 3:  #  #  #  X  X  X  X  *
Row 4:  X  X  X  #  #  #  #  X
Row 5:  X  *  *  X  X  X  X  *
Row 6:  #  X  X  X  X  X  X  *
Row 7:  X  X  #  #  #  #  #  X
Your total purchase today is $16.00
Thank you, and enjoy the movie!

Welcome!
Movie Menu:
1) Free Birds  3:30
```

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Movie 3:

```
Please enter the number of your choice from the menu above:
5

Welcome!
Movie Menu:
1) Free Birds  3:30
2) Beethoven   5:30
3) Free Birds  6:00
4) Beethoven   7:30

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
-3
That is not a valid option, please enter a choice from the menu above:
3
How many adult tickets are needed?
0
How many child tickets are needed?
4

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  *  *  *  *  *
Row 3:  *  *  *  *  *  *  *  *
Row 4:  *  *  *  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *

Please choose the row and column where you would like to seat your 4 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
2
Enter the column for ticket 1:
4
```

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```
Enter the row for ticket 1:
2
Enter the column for ticket 1:
4

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  #  *  *  *  *
Row 3:  *  *  *  *  *  *  *  *
Row 4:  *  *  *  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *

Enter the row for ticket 2:
2
Enter the column for ticket 2:
5

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  #  #  *  *  *
Row 3:  *  *  *  *  *  *  *  *
Row 4:  *  *  *  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *

Enter the row for ticket 3:
2
Enter the column for ticket 3:
6

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  #  #  #  *  *
Row 3:  *  *  *  *  *  *  *  *
Row 4:  *  *  *  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *

Enter the row for ticket 4:
2
Enter the column for ticket 4:
7
```

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```
Enter the row for ticket 4:
2
Enter the column for ticket 4:
7

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  #  #  #  #  *
Row 3:  *  *  *  *  *  *  *  *
Row 4:  *  *  *  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *
Your total purchase today is $24.00
Thank you, and enjoy the movie!
```

Welcome!

Movie Menu:

```
1) Free Birds   3:30
2) Beethoven    5:30
3) Free Birds   6:00
4) Beethoven    7:30
```

Adult Tickets are: \$6.00 (matinee before 6:00pm) \$8.00 (evening)

Child Tickets are: \$4.00 (matinee before 6:00pm) \$6.00 (evening)

Please enter the menu number of your movie choice(1-4):

3

How many adult tickets are needed?

-1

That is an invalid choice, please enter a number greater than or equal to zero:

1

How many child tickets are needed?

2

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```
1
How many child tickets are needed?
2

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  X  X  X  X  *
Row 2:  *  *  X  #  #  #  #  X
Row 3:  *  *  *  X  X  X  X  *
Row 4:  *  *  *  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *

Please choose the row and column where you would like to seat your 3 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
8
That is an invalid row choice, please try again:
7
Enter the column for ticket 1:
1

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  X  X  X  X  *
Row 2:  *  *  X  #  #  #  #  X
Row 3:  *  *  *  X  X  X  X  *
Row 4:  *  *  *  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  #  *  *  *  *  *  *  *

Enter the row for ticket 2:
7
Enter the column for ticket 2:
2

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  X  X  X  X  *
Row 2:  *  *  X  #  #  #  #  X
Row 3:  *  *  *  X  X  X  X  *
Row 4:  *  *  *  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  #  #  *  *  *  *  *  *

Enter the row for ticket 3:
7
Enter the column for ticket 3:
3
```


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```
Row 7: # #
Enter the row for ticket 3:
7
Enter the column for ticket 3:
3

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  X  X  X  X  *
Row 2:  *  *  X  #  #  #  #  X
Row 3:  *  *  *  X  X  X  X  *
Row 4:  *  *  *  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  #  #  #  *  *  *  *  *
Your total purchase today is $20.00
Thank you, and enjoy the movie!

Welcome!
Movie Menu:
1) Free Birds   3:30
2) Beethoven    5:30
3) Free Birds   6:00
4) Beethoven    7:30

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
5
That is not a valid option, please enter a choice from the menu above:
4
How many adult tickets are needed?
```

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Your total purchase today is \$22.00
Thank you, and enjoy the movie!

Welcome!

Movie Menu:

- 1) Free Birds 3:30
- 2) Beethoven 5:30
- 3) Free Birds 6:00
- 4) Beethoven 7:30

Adult Tickets are: \$6.00 (matinee before 6:00pm) \$8.00 (evening)
Child Tickets are: \$4.00 (matinee before 6:00pm) \$6.00 (evening)

Please enter the menu number of your movie choice(1-4):

3

How many adult tickets are needed?

1

How many child tickets are needed?

4

Seats: 1 2 3 4 5 6 7 8
Row 1: * * * X X X X *
Row 2: * * X # # # # X
Row 3: * * * X X X X *
Row 4: * * * * * * * *
Row 5: * * * * * * * *
Row 6: X X X * * * * *
Row 7: # # # X * * * *

Please choose the row and column where you would like to seat your 5 seats.

An asterisk indicates an available space. A pound sign indicates a seat that is already taken.

An X indicates a seat blocked due to pandemic distancing.

Enter the row for ticket 1:

3

Enter the column for ticket 1:

5

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```
Enter the row for ticket 1:
3
Enter the column for ticket 1:
5
That seat is either taken or blocked for pandemic distancing, please choose another seat.
Enter the row for ticket 1:
4
Enter the column for ticket 1:
5

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  X  X  X  X  *
Row 2:  *  *  X  #  #  #  #  X
Row 3:  *  *  *  X  X  X  X  *
Row 4:  *  *  *  *  #  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  X  X  X  *  *  *  *  *
Row 7:  #  #  #  X  *  *  *  *
Enter the row for ticket 2:
4
Enter the column for ticket 2:
4

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  X  X  X  X  *
Row 2:  *  *  X  #  #  #  #  X
Row 3:  *  *  *  X  X  X  X  *
Row 4:  *  *  *  #  #  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  X  X  X  *  *  *  *  *
Row 7:  #  #  #  X  *  *  *  *
Enter the row for ticket 3:
4
Enter the column for ticket 3:
6
```

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```
Enter the row for ticket 3:
4
Enter the column for ticket 3:
6

Seats:   1   2   3   4   5   6   7   8
Row 1:   *   *   *   X   X   X   X   *
Row 2:   *   *   X   #   #   #   #   X
Row 3:   *   *   *   X   X   X   X   *
Row 4:   *   *   *   #   #   #   *   *
Row 5:   *   *   *   *   *   *   *   *
Row 6:   X   X   X   *   *   *   *   *
Row 7:   #   #   #   X   *   *   *   *
Enter the row for ticket 4:
4
Enter the column for ticket 4:
7

Seats:   1   2   3   4   5   6   7   8
Row 1:   *   *   *   X   X   X   X   *
Row 2:   *   *   X   #   #   #   #   X
Row 3:   *   *   *   X   X   X   X   *
Row 4:   *   *   *   #   #   #   #   *
Row 5:   *   *   *   *   *   *   *   *
Row 6:   X   X   X   *   *   *   *   *
Row 7:   #   #   #   X   *   *   *   *
Enter the row for ticket 5:
4
Enter the column for ticket 5:
8

Seats:   1   2   3   4   5   6   7   8
Row 1:   *   *   *   X   X   X   X   *
Row 2:   *   *   X   #   #   #   #   X
Row 3:   *   *   *   X   X   X   X   *
Row 4:   *   *   *   #   #   #   #   #
Row 5:   *   *   *   *   *   *   *   *
Row 6:   X   X   X   *   *   *   *   *
Row 7:   #   #   #   X   *   *   *   *
Your total purchase today is $32.00
Thank you, and enjoy the movie!
```

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Your total purchase today is \$32.00
Thank you, and enjoy the movie!

Welcome!

Movie Menu:

- 1) Free Birds 3:30
- 2) Beethoven 5:30
- 3) Free Birds 6:00
- 4) Beethoven 7:30

Adult Tickets are: \$6.00 (matinee before 6:00pm) \$8.00 (evening)
Child Tickets are: \$4.00 (matinee before 6:00pm) \$6.00 (evening)

Please enter the menu number of your movie choice(1-4):

9

That is not a valid option, please enter a choice from the menu above:

3

How many adult tickets are needed?

1

How many child tickets are needed?

1

Seats: 1 2 3 4 5 6 7 8
Row 1: * * * X X X X *
Row 2: * * X # # # # X
Row 3: * * * X X X X X
Row 4: * * X # # # # #
Row 5: * * * X X X X X
Row 6: X X X * * * * *
Row 7: # # # X * * * *

Please choose the row and column where you would like to seat your 2 seats.

An asterisk indicates an available space. A pound sign indicates a seat that is already taken.

An X indicates a seat blocked due to pandemic distancing.

Enter the row for ticket 1:

3

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```
Enter the row for ticket 1:
3
Enter the column for ticket 1:
0
That is an invalid column choice, please try again:
1

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  X  X  X  X  *
Row 2:  *  *  X  #  #  #  #  X
Row 3:  #  *  *  X  X  X  X  X
Row 4:  *  *  X  #  #  #  #  #
Row 5:  *  *  *  X  X  X  X  X
Row 6:  X  X  X  *  *  *  *  *
Row 7:  #  #  #  X  *  *  *  *
Enter the row for ticket 2:
3
Enter the column for ticket 2:
2

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  X  X  X  X  *
Row 2:  *  *  X  #  #  #  #  X
Row 3:  #  #  *  X  X  X  X  X
Row 4:  *  *  X  #  #  #  #  #
Row 5:  *  *  *  X  X  X  X  X
Row 6:  X  X  X  *  *  *  *  *
Row 7:  #  #  #  X  *  *  *  *
Your total purchase today is $14.00
Thank you, and enjoy the movie!
```

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```
ROW 7: # # # X * * * *
Your total purchase today is $14.00
Thank you, and enjoy the movie!

Welcome!
Movie Menu:
1) Free Birds 3:30
2) Beethoven 5:30
3) Free Birds 6:00
4) Beethoven 7:30

Adult Tickets are: $6.00 (matinee before 6:00pm) $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm) $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
3
How many adult tickets are needed?
2
How many child tickets are needed?
2

Seats: 1 2 3 4 5 6 7 8
Row 1: * * * X X X X *
Row 2: X X X # # # # X
Row 3: # # X X X X X X
Row 4: X X X # # # # #
Row 5: * * * X X X X X
Row 6: X X X * * * * *
Row 7: # # # X * * * *

Please choose the row and column where you would like to seat your 4 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
5
Enter the column for ticket 1:
5
That seat is either taken or blocked for pandemic distancing, please choose another seat.
Enter the row for ticket 1:
6
Enter the column for ticket 1:
5
```

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```
Enter the row for ticket 1:
6
Enter the column for ticket 1:
5

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  X  X  X  X  *
Row 2:  X  X  X  #  #  #  #  X
Row 3:  #  #  X  X  X  X  X  X
Row 4:  X  X  X  #  #  #  #  #
Row 5:  *  *  *  X  X  X  X  X
Row 6:  X  X  X  *  #  *  *  *
Row 7:  #  #  #  X  *  *  *  *

Enter the row for ticket 2:
6
Enter the column for ticket 2:
6

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  X  X  X  X  *
Row 2:  X  X  X  #  #  #  #  X
Row 3:  #  #  X  X  X  X  X  X
Row 4:  X  X  X  #  #  #  #  #
Row 5:  *  *  *  X  X  X  X  X
Row 6:  X  X  X  *  #  #  *  *
Row 7:  #  #  #  X  *  *  *  *

Enter the row for ticket 3:
6
Enter the column for ticket 3:
7

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  X  X  X  X  *
Row 2:  X  X  X  #  #  #  #  X
Row 3:  #  #  X  X  X  X  X  X
Row 4:  X  X  X  #  #  #  #  #
Row 5:  *  *  *  X  X  X  X  X
Row 6:  X  X  X  *  #  #  #  *
Row 7:  #  #  #  X  *  *  *  *

Enter the row for ticket 4:
6
Enter the column for ticket 4:
8
```


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```
Enter the row for ticket 4:
6
Enter the column for ticket 4:
8

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  X  X  X  X  *
Row 2:  X  X  X  #  #  #  #  X
Row 3:  #  #  X  X  X  X  X  X
Row 4:  X  X  X  #  #  #  #  #
Row 5:  *  *  *  X  X  X  X  X
Row 6:  X  X  X  *  #  #  #  #
Row 7:  #  #  #  X  *  *  *  *

Your total purchase today is $28.00
Thank you, and enjoy the movie!
```

Welcome!

Movie Menu:

- 1) Free Birds 3:30
- 2) Beethoven 5:30
- 3) Free Birds 6:00
- 4) Beethoven 7:30

Adult Tickets are: \$6.00 (matinee before 6:00pm) \$8.00 (evening)

Child Tickets are: \$4.00 (matinee before 6:00pm) \$6.00 (evening)

Please enter the menu number of your movie choice(1-4):

4

How many adult tickets are needed?

3

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Movie 4:

```
Welcome!
Movie Menu:
1) Free Birds  3:30
2) Beethoven   5:30
3) Free Birds  6:00
4) Beethoven   7:30

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
5
That is not a valid option, please enter a choice from the menu above:
4
How many adult tickets are needed?
3
How many child tickets are needed?
0

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  *  *  *  *  *  *
Row 3:  *  *  *  *  *  *  *  *
Row 4:  *  *  *  *  *  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  *  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *

Please choose the row and column where you would like to seat your 3 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
3
Enter the column for ticket 1:
4
```

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```
Enter the row for ticket 1:
3
Enter the column for ticket 1:
4

Seats:   1   2   3   4   5   6   7   8
Row 1:   *   *   *   *   *   *   *   *
Row 2:   *   *   *   *   *   *   *   *
Row 3:   *   *   *   #   *   *   *   *
Row 4:   *   *   *   *   *   *   *   *
Row 5:   *   *   *   *   *   *   *   *
Row 6:   *   *   *   *   *   *   *   *
Row 7:   *   *   *   *   *   *   *   *
Enter the row for ticket 2:
3
Enter the column for ticket 2:
5

Seats:   1   2   3   4   5   6   7   8
Row 1:   *   *   *   *   *   *   *   *
Row 2:   *   *   *   *   *   *   *   *
Row 3:   *   *   *   #   #   *   *   *
Row 4:   *   *   *   *   *   *   *   *
Row 5:   *   *   *   *   *   *   *   *
Row 6:   *   *   *   *   *   *   *   *
Row 7:   *   *   *   *   *   *   *   *
Enter the row for ticket 3:
3
Enter the column for ticket 3:
3

Seats:   1   2   3   4   5   6   7   8
Row 1:   *   *   *   *   *   *   *   *
Row 2:   *   *   *   *   *   *   *   *
Row 3:   *   *   #   #   #   *   *   *
Row 4:   *   *   *   *   *   *   *   *
Row 5:   *   *   *   *   *   *   *   *
Row 6:   *   *   *   *   *   *   *   *
Row 7:   *   *   *   *   *   *   *   *
Your total purchase today is $24.00
Thank you, and enjoy the movie!
```

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Your total purchase today is \$24.00
Thank you, and enjoy the movie!

Welcome!

Movie Menu:

- 1) Free Birds 3:30
- 2) Beethoven 5:30
- 3) Free Birds 6:00
- 4) Beethoven 7:30

Adult Tickets are: \$6.00 (matinee before 6:00pm) \$8.00 (evening)
Child Tickets are: \$4.00 (matinee before 6:00pm) \$6.00 (evening)

Please enter the menu number of your movie choice(1-4):

-4

That is not a valid option, please enter a choice from the menu above:

4

How many adult tickets are needed?

2

How many child tickets are needed?

1

Seats: 1 2 3 4 5 6 7 8

Row 1: * * * * * * * *

Row 2: * * X X X * * *

Row 3: * X # # # X * *

Row 4: * * X X X * * *

Row 5: * * * * * * * *

Row 6: * * * * * * * *

Row 7: * * * * * * * *

Please choose the row and column where you would like to seat your 3 seats.

An asterisk indicates an available space. A pound sign indicates a seat that is already taken.

An X indicates a seat blocked due to pandemic distancing.

Enter the row for ticket 1:

6

Enter the column for ticket 1:

0

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```
Enter the row for ticket 1:
6
Enter the column for ticket 1:
0
That is an invalid column choice, please try again:
1

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  X  X  X  *  *  *
Row 3:  *  X  #  #  #  X  *  *
Row 4:  *  *  X  X  X  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  #  *  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *
Enter the row for ticket 2:
6
Enter the column for ticket 2:
2

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  X  X  X  *  *  *
Row 3:  *  X  #  #  #  X  *  *
Row 4:  *  *  X  X  X  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  #  #  *  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *
Enter the row for ticket 3:
6
Enter the column for ticket 3:
3

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  X  X  X  *  *  *
Row 3:  *  X  #  #  #  X  *  *
Row 4:  *  *  X  X  X  *  *  *
Row 5:  *  *  *  *  *  *  *  *
Row 6:  #  #  #  *  *  *  *  *
Row 7:  *  *  *  *  *  *  *  *
Your total purchase today is $22.00
Thank you, and enjoy the movie!
```

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```
Welcome!
Movie Menu:
1) Free Birds  3:30
2) Beethoven   5:30
3) Free Birds  6:00
4) Beethoven   7:30

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
4
How many adult tickets are needed?
3
How many child tickets are needed?
1

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  X  X  X  *  *  *
Row 3:  *  X  #  #  #  X  *  *
Row 4:  *  *  X  X  X  *  *  *
Row 5:  X  X  X  *  *  *  *  *
Row 6:  #  #  #  X  *  *  *  *
Row 7:  X  X  X  *  *  *  *  *

Please choose the row and column where you would like to seat your 4 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
5
Enter the column for ticket 1:
3
That seat is either taken or blocked for pandemic distancing, please choose another seat.
Enter the row for ticket 1:
5
Enter the column for ticket 1:
5
```

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```
That seat is either taken or blocked for
Enter the row for ticket 1:
5
Enter the column for ticket 1:
5

Seats:   1   2   3   4   5   6   7   8
Row 1:   *   *   *   *   *   *   *   *
Row 2:   *   *   X   X   X   *   *   *
Row 3:   *   X   #   #   #   X   *   *
Row 4:   *   *   X   X   X   *   *   *
Row 5:   X   X   X   *   #   *   *   *
Row 6:   #   #   #   X   *   *   *   *
Row 7:   X   X   X   *   *   *   *   *
Enter the row for ticket 2:
5
Enter the column for ticket 2:
6

Seats:   1   2   3   4   5   6   7   8
Row 1:   *   *   *   *   *   *   *   *
Row 2:   *   *   X   X   X   *   *   *
Row 3:   *   X   #   #   #   X   *   *
Row 4:   *   *   X   X   X   *   *   *
Row 5:   X   X   X   *   #   #   *   *
Row 6:   #   #   #   X   *   *   *   *
Row 7:   X   X   X   *   *   *   *   *
Enter the row for ticket 3:
5
Enter the column for ticket 3:
7

Seats:   1   2   3   4   5   6   7   8
Row 1:   *   *   *   *   *   *   *   *
Row 2:   *   *   X   X   X   *   *   *
Row 3:   *   X   #   #   #   X   *   *
Row 4:   *   *   X   X   X   *   *   *
Row 5:   X   X   X   *   #   #   #   *
Row 6:   #   #   #   X   *   *   *   *
Row 7:   X   X   X   *   *   *   *   *
Enter the row for ticket 4:
5
Enter the column for ticket 4:
8
```

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```
Row 1: X X X
Enter the row for ticket 4:
5
Enter the column for ticket 4:
8

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  X  X  X  *  *  *
Row 3:  *  X  #  #  #  X  *  *
Row 4:  *  *  X  X  X  *  *  *
Row 5:  X  X  X  *  #  #  #  #
Row 6:  #  #  #  X  *  *  *  *
Row 7:  X  X  X  *  *  *  *  *

Your total purchase today is $30.00
Thank you, and enjoy the movie!

Welcome!
Movie Menu:
1) Free Birds   3:30
2) Beethoven    5:30
3) Free Birds   6:00
4) Beethoven    7:30

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
8
That is not a valid option, please enter a choice from the menu above:
4
How many adult tickets are needed?
5
How many child tickets are needed?
0
```


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How many adult tickets are needed?

5

How many child tickets are needed?

0

Seats: 1 2 3 4 5 6 7 8

Row 1: * * * * * * * *

Row 2: * * X X X * * *

Row 3: * X # # # X * *

Row 4: * * X X X X X X

Row 5: X X X X # # # #

Row 6: # # # X X X X X

Row 7: X X X * * * * *

Please choose the row and column where you would like to seat your 5 seats.

An asterisk indicates an available space. A pound sign indicates a seat that is already taken.

An X indicates a seat blocked due to pandemic distancing.

Enter the row for ticket 1:

5

Enter the column for ticket 1:

7

That seat is either taken or blocked for pandemic distancing, please choose another seat.

Enter the row for ticket 1:

7

Enter the column for ticket 1:

5

Seats: 1 2 3 4 5 6 7 8

Row 1: * * * * * * * *

Row 2: * * X X X * * *

Row 3: * X # # # X * *

Row 4: * * X X X X X X

Row 5: X X X X # # # #

Row 6: # # # X X X X X

Row 7: X X X * # * * *

Enter the row for ticket 2:

7

Enter the column for ticket 2:

4

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```
Enter the row for ticket 2:
7
Enter the column for ticket 2:
4

Seats:   1   2   3   4   5   6   7   8
Row 1:   *   *   *   *   *   *   *   *
Row 2:   *   *   X   X   X   *   *   *
Row 3:   *   X   #   #   #   X   *   *
Row 4:   *   *   X   X   X   X   X   X
Row 5:   X   X   X   X   #   #   #   #
Row 6:   #   #   #   X   X   X   X   X
Row 7:   X   X   X   #   #   *   *   *

Enter the row for ticket 3:
7
Enter the column for ticket 3:
6

Seats:   1   2   3   4   5   6   7   8
Row 1:   *   *   *   *   *   *   *   *
Row 2:   *   *   X   X   X   *   *   *
Row 3:   *   X   #   #   #   X   *   *
Row 4:   *   *   X   X   X   X   X   X
Row 5:   X   X   X   X   #   #   #   #
Row 6:   #   #   #   X   X   X   X   X
Row 7:   X   X   X   #   #   #   *   *

Enter the row for ticket 4:
7
Enter the column for ticket 4:
7

Seats:   1   2   3   4   5   6   7   8
Row 1:   *   *   *   *   *   *   *   *
Row 2:   *   *   X   X   X   *   *   *
Row 3:   *   X   #   #   #   X   *   *
Row 4:   *   *   X   X   X   X   X   X
Row 5:   X   X   X   X   #   #   #   #
Row 6:   #   #   #   X   X   X   X   X
Row 7:   X   X   X   #   #   #   #   *

Enter the row for ticket 5:
7
Enter the column for ticket 5:
8
```

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```
Enter the row for ticket 5:
7
Enter the column for ticket 5:
8

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  X  X  X  *  *  *
Row 3:  *  X  #  #  #  X  *  *
Row 4:  *  *  X  X  X  X  X  X
Row 5:  X  X  X  X  #  #  #  #
Row 6:  #  #  #  X  X  X  X  X
Row 7:  X  X  X  #  #  #  #  #
Your total purchase today is $40.00
Thank you, and enjoy the movie!
```

Welcome!

Movie Menu:

- 1) Free Birds 3:30
- 2) Beethoven 5:30
- 3) Free Birds 6:00
- 4) Beethoven 7:30

Adult Tickets are: \$6.00 (matinee before 6:00pm) \$8.00 (evening)
Child Tickets are: \$4.00 (matinee before 6:00pm) \$6.00 (evening)

Please enter the menu number of your movie choice(1-4):

4

How many adult tickets are needed?

2

How many child tickets are needed?

2

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```
How many adult tickets are needed?
2
How many child tickets are needed?
2

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  *  *  *  *  *
Row 2:  *  *  X  X  X  *  *  *
Row 3:  *  X  #  #  #  X  *  *
Row 4:  *  *  X  X  X  X  X  X
Row 5:  X  X  X  X  #  #  #  #
Row 6:  #  #  #  X  X  X  X  X
Row 7:  X  X  X  #  #  #  #  #

Please choose the row and column where you would like to seat your 4 seats.
An asterisk indicates an available space. A pound sign indicates a seat that is already taken.
An X indicates a seat blocked due to pandemic distancing.
Enter the row for ticket 1:
0
That is an invalid row choice, please try again:
1
Enter the column for ticket 1:
-4
That is an invalid column choice, please try again:
4

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  #  *  *  *  *
Row 2:  *  *  X  X  X  *  *  *
Row 3:  *  X  #  #  #  X  *  *
Row 4:  *  *  X  X  X  X  X  X
Row 5:  X  X  X  X  #  #  #  #
Row 6:  #  #  #  X  X  X  X  X
Row 7:  X  X  X  #  #  #  #  #

Enter the row for ticket 2:
1
Enter the column for ticket 2:
5
```

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CS 317 – Project 3

```
Row 1: * * * * # # # #
Enter the row for ticket 2:
1
Enter the column for ticket 2:
5

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  #  #  *  *  *
Row 2:  *  *  X  X  X  *  *  *
Row 3:  *  X  #  #  #  X  *  *
Row 4:  *  *  X  X  X  X  X  X
Row 5:  X  X  X  X  #  #  #  #
Row 6:  #  #  #  X  X  X  X  X
Row 7:  X  X  X  #  #  #  #  #
Enter the row for ticket 3:
1
Enter the column for ticket 3:
6

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  #  #  #  *  *
Row 2:  *  *  X  X  X  *  *  *
Row 3:  *  X  #  #  #  X  *  *
Row 4:  *  *  X  X  X  X  X  X
Row 5:  X  X  X  X  #  #  #  #
Row 6:  #  #  #  X  X  X  X  X
Row 7:  X  X  X  #  #  #  #  #
Enter the row for ticket 4:
1
Enter the column for ticket 4:
7

Seats:  1  2  3  4  5  6  7  8
Row 1:  *  *  *  #  #  #  #  *
Row 2:  *  *  X  X  X  *  *  *
Row 3:  *  X  #  #  #  X  *  *
Row 4:  *  *  X  X  X  X  X  X
Row 5:  X  X  X  X  #  #  #  #
Row 6:  #  #  #  X  X  X  X  X
Row 7:  X  X  X  #  #  #  #  #
Your total purchase today is $28.00
Thank you, and enjoy the movie!
```

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Admin Menu:

```
Your total purchase today is $16.00
Thank you, and enjoy the movie!

Welcome!
Movie Menu:
1) Free Birds    3:30
2) Beethoven     5:30
3) Free Birds    6:00
4) Beethoven     7:30

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
-99

Administrator Menu:
1) View tickets sold by ticket type.
2) View total tickets sold.
3) View profit by ticket type.
4) View total profit.
5) Return to Movie Selection Menu.
6) End Program.

Please enter the number of your choice from the menu above:
1
Total Adult tickets sold today: 19
Total Child tickets sold today: 13
View Admin Menu again? Enter 'y' for yes, any other character for no:
y

Administrator Menu:
1) View tickets sold by ticket type.
2) View total tickets sold.
3) View profit by ticket type.
4) View total profit.
5) Return to Movie Selection Menu.
6) End Program.

Please enter the number of your choice from the menu above:
2
Total tickets sold today: 32
View Admin Menu again? Enter 'y' for yes, any other character for no:
y
```

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```
Total tickets sold today: 32
View Admin Menu again? Enter 'y' for yes, any other character for no:
y

Administrator Menu:
1) View tickets sold by ticket type.
2) View total tickets sold.
3) View profit by ticket type.
4) View total profit.
5) Return to Movie Selection Menu.
6) End Program.

Please enter the number of your choice from the menu above:
3
Total Adult ticket sales today: $114.00
Total Child ticket sales today: $52.00
View Admin Menu again? Enter 'y' for yes, any other character for no:
y

Administrator Menu:
1) View tickets sold by ticket type.
2) View total tickets sold.
3) View profit by ticket type.
4) View total profit.
5) Return to Movie Selection Menu.
6) End Program.

Please enter the number of your choice from the menu above:
4
Total ticket sales today: $166.00
View Admin Menu again? Enter 'y' for yes, any other character for no:
y

Administrator Menu:
1) View tickets sold by ticket type.
2) View total tickets sold.
3) View profit by ticket type.
4) View total profit.
5) Return to Movie Selection Menu.
6) End Program.

Please enter the number of your choice from the menu above:
5

Welcome!
Movie Menu:
```

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```

Your total purchase today is $28.00
Thank you, and enjoy the movie!

```

```

Welcome!

```

```

Movie Menu:

```

- 1) Free Birds 3:30
- 2) Beethoven 5:30
- 3) Free Birds 6:00
- 4) Beethoven 7:30

```

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

```

```

Please enter the menu number of your movie choice(1-4):
-99

```

```

Administrator Menu:

```

- 1) View tickets sold by ticket type.
- 2) View total tickets sold.
- 3) View profit by ticket type.
- 4) View total profit.
- 5) Return to Movie Selection Menu.
- 6) End Program.

```

Please enter the number of your choice from the menu above:

```

```
1

```

```
Total Adult tickets sold today: 39

```

```
Total Child tickets sold today: 30

```

```
View Admin Menu again? Enter 'y' for yes, any other character for no:
y

```


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```
1
Total Adult tickets sold today: 39
Total Child tickets sold today: 30
View Admin Menu again? Enter 'y' for yes, any other character for no:
y

Administrator Menu:
1) View tickets sold by ticket type.
2) View total tickets sold.
3) View profit by ticket type.
4) View total profit.
5) Return to Movie Selection Menu.
6) End Program.

Please enter the number of your choice from the menu above:
2
Total tickets sold today: 69
View Admin Menu again? Enter 'y' for yes, any other character for no:
y

Administrator Menu:
1) View tickets sold by ticket type.
2) View total tickets sold.
3) View profit by ticket type.
4) View total profit.
5) Return to Movie Selection Menu.
6) End Program.

Please enter the number of your choice from the menu above:
3
Total Adult ticket sales today: $274.00
Total Child ticket sales today: $154.00
View Admin Menu again? Enter 'y' for yes, any other character for no:
y
```

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```
5
Total Adult ticket sales today: $274.00
Total Child ticket sales today: $154.00
View Admin Menu again? Enter 'y' for yes, any other character for no:
y

Administrator Menu:
1) View tickets sold by ticket type.
2) View total tickets sold.
3) View profit by ticket type.
4) View total profit.
5) Return to Movie Selection Menu.
6) End Program.

Please enter the number of your choice from the menu above:
4
Total ticket sales today: $428.00
View Admin Menu again? Enter 'y' for yes, any other character for no:
n

Welcome!
Movie Menu:
1) Free Birds    3:30
2) Beethoven    5:30
3) Free Birds    6:00
4) Beethoven    7:30

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
-99
```

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```
View Admin Menu again? Enter 'y' for yes, any other character for no:
n

Welcome!
Movie Menu:
1) Free Birds   3:30
2) Beethoven    5:30
3) Free Birds   6:00
4) Beethoven    7:30

Adult Tickets are: $6.00 (matinee before 6:00pm)    $8.00 (evening)
Child Tickets are: $4.00 (matinee before 6:00pm)    $6.00 (evening)

Please enter the menu number of your movie choice(1-4):
-99

Administrator Menu:
1) View tickets sold by ticket type.
2) View total tickets sold.
3) View profit by ticket type.
4) View total profit.
5) Return to Movie Selection Menu.
6) End Program.

Please enter the number of your choice from the menu above:
-6
That is an invalid choice, please choose one of the menu options above:
8
That is an invalid choice, please choose one of the menu options above:
6
Thank you, and have a wonderful evening!

C:\Users\newuser\OneDrive\Documents\Athens State\CS317\RobbinsProj3\Debug\
Press any key to close this window . . .
```