

## 1340 Course Project-Table Management System

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Sample I/O (user inputs are highlighted in yellow)

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*Sample test case 1 (default setting, occupied a table and release a table manually)*

Choose your layout:

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- 1: Default setting (maximum number of tables)
  - 2: Spring setting (deleted one row)
  - 3: Summer setting (large tables are at the corner)
  - 4: Autumn setting (deleted two columns for space)
  - 5: Winter setting (fewer tables)
  - 6: Custom setting (input your own layout)
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Please select (1 to 6): 1

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Current layout:

8-8 8-8 8-8 8-8 8-8

4-4 4-4 4-4 4-4 4-4

2-2 2-2 2-2 2-2 2-2

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Input the corresponding number

- 
- 1: Occupy a table
  - 2: Release a table
  - 3. Check tables occupied for too long
  - 4. Show current availability of seats
  - 5. End program
- 

Your input: 1

Number of customer (1-8): 8

8 customers are assigned to table R0C0

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Current layout:

8-0 8-8 8-8 8-8 8-8

4-4 4-4 4-4 4-4 4-4

2-2 2-2 2-2 2-2 2-2

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Input the corresponding number

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- 1: Occupy a table
- 2: Release a table
3. Check tables occupied for too long
4. Show current availability of seats
5. End program

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Your input: 2

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Current layout:

8-0 8-8 8-8 8-8 8-8

4-4 4-4 4-4 4-4 4-4

2-2 2-2 2-2 2-2 2-2

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Please input the row and column of the table and the number of customers left

Row number: 0

Column number: 0

Number of customers left: 8

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Current layout:

8-8 8-8 8-8 8-8 8-8

4-4 4-4 4-4 4-4 4-4

2-2 2-2 2-2 2-2 2-2

-----

Input the corresponding number

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- 1: Occupy a table
- 2: Release a table
3. Check tables occupied for too long
4. Show current availability of seats
5. End program

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Your input: 5

Today a total of 8 customers visited our deli.

See output.txt for more details.

End of program.

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*output.txt*

Accumulated total number of customers:

158

Total number of customers for today:

8

Program ended at:

Sat Apr 27 15:48:25 2019

Full record of today's customers (in descending order)

8 customers came in and occupied table ROC0