1340 Course Project-Table Management System

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

Sample test case 2(spring setting, occupied a table and release a table when the customer is overtime, i.e. in this case is 20 seconds)

Choose your layout:

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   (less tables)

6: Custom setting   (input your own layout)

Please select (1 to 6): ==2==

Current layout:

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

X-X X-X X-X X-X X-X

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

Input the corresponding number

1: Occupy a table

2: Release a table

3. Check tables occupied for too long

4. Show current availibility of seats

5. End program

Your input: ==1==

Number of customer (1-8): ==7==

7 customers are assigned to table R0C0

Current layout:

8-1 8-8 8-8 8-8 8-8

X-X X-X X-X X-X X-X

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

Input the corresponding number

1: Occupy a table

2: Release a table

3. Check tables occupied for too long

4. Show current availibility of seats

5. End program

Your input: 3

7 customers occupied table R0C0 for too long.

Would you like those customers to leave?

Your choice(Y/N): Y

Current layout:

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

X-X X-X X-X X-X X-X

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

Input the corresponding number

1: Occupy a table

2: Release a table

3. Check tables occupied for too long

4. Show current availibility of seats

5. End program

Your input: 5

Today a total of 7 customers visited our deli.

See output.txt for more details.

End of program.

output.txt

Accumulated total number of customers:

157

Total number of customers for today:

7

Program ended at:
Sat Apr 27 15:40:38 2019

Full record of today's customers (in descending order)
7 customers came in and occupied table R0C0