

Fundamentals of computing II

Assignment 2

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Microsoft Visual Studio Debug Console
How many customers would you like to enter?
4
Please fill the info of each customer
Please enter the name of customer number: 1
Ahmed
Please enter the desired appointment:
enter the hour: 1
enter the minute: 0
Please enter the name of customer number: 2
Sarah
Please enter the desired appointment:
enter the hour: 4
enter the minute: 0
Please enter the name of customer number: 3
Kareem
Please enter the desired appointment:
enter the hour: 3
enter the minute: 0
Please enter the name of customer number: 4
Mohammed
Please enter the desired appointment:
enter the hour: 1
enter the minute: 0
-----
Mr/s. Ahmed Has an appointment with Ayman at: 1:0
Mr/s. Sarah Has an appointment with Khaled at: 4:0
Mr/s. Kareem Has an appointment with Mai at: 3:0
Mr/s. Mohammed Has an appointment with Khaled at: 1:0
-----
After entering the queue
Mr/s. Ahmed Has an appointment with Ayman at: 1:0
Mr/s. Mohammed Has an appointment with Khaled at: 1:0
Mr/s. Kareem Has an appointment with Mai at: 3:0
Mr/s. Sarah Has an appointment with Khaled at: 4:0
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```

At the begging, I'm entering the information for the customers and the time they like to appoint.

Then I appoint them to their mechanics based on the time available but without arranging them in an ascending order.

The last cout square (starting from "after entering the queue") is where I sort the customers according to the time, then I insert then in the queue and pop them while printing to the screen.