CSE 344

System Programming

Final Assignment

Report

Author

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Date

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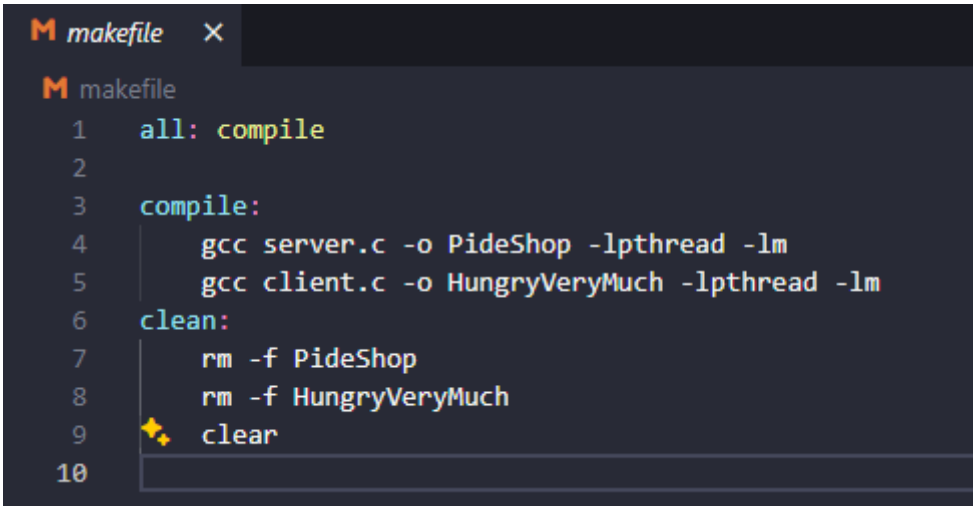
1. Makefile:



2. Makefile Commands:

All: Compiles the code.

Compile: Compiles the code.

Clean: Clears terminal.

3. How to run the code?

To run the program, first you have to write make or make all to compile the code. Then you have to start server like **./PideShop ipaddress portnumber cookthreadpoolsize deliverypoolsize k.** Then you can connect server like this **./HungryVeryMuch ipaddress portnumber numberofclients p q.**

4. Code Explanation:

4.1. Server.c:

4.1.1. Thread-Safe Queue Implementation:

Our queue implementation provides a thread-safe structure using a linked list. The QueueNode structure contains an Order and a pointer to the next node. The Queue structure maintains pointers to the front and rear nodes, a mutex for thread synchronization, a condition variable for signaling, and a counter for the number of elements in the queue. The init_queue function initializes these components. The enqueue function adds an order to the rear of the queue and signals any waiting threads that a new item is available. The dequeue function removes an order from the front, waiting if necessary until an item becomes available. The free_queue function deallocates all nodes in the queue. The get_queue_size function returns the current number of elements in the queue. This queue implementation ensures that multiple threads can safely add to and remove from the queue concurrently without data races.

4.1.2. Order Management Functions:

This section includes functions for managing the dynamic array of orders and synchronizing delivery processes. The expand_order_array function ensures the orders array has sufficient capacity by doubling its size or setting it to 10 if initially zero, with proper thread safety using expand_mutex. increment_pending_deliveries and decrement_pending_deliveries functions manage the count of pending deliveries with mutex locks and condition variable signaling to synchronize delivery tasks. The wait_for_all_deliveries function blocks until all pending deliveries are complete, ensuring synchronization across threads. Finally, check_and_expand_order_array iterates through client queues to verify if the orders array needs expansion, calling expand_order_array when necessary to handle increasing order volumes.

4.1.3. Matrix Operations for Complex Numbers:

This section contains functions to perform various matrix operations on complex numbers. The create_matrix function initializes a matrix with random complex numbers. The matrix_multiply function performs matrix multiplication, computing the product $C=A\times B$ for given matrices A and B. An alternative multiplication function, matrix_multiply_alt, does the same but with different matrix dimensions. The matrix_transpose function computes the transpose of a given matrix. The matrix_inverse function calculates the inverse of a square matrix using Gaussian elimination, ensuring it handles complex numbers correctly. Lastly, the calculate_pseudo_inverse function computes the Moore-Penrose pseudo-inverse of a matrix by first transposing the matrix, multiplying it by its transpose, inverting the result, and then multiplying by the transposed matrix. These functions together enable complex matrix manipulations essential for advanced numerical computations.

4.1.4. Cook and Bake Time Calculation:

This section includes functions to simulate and calculate the preparation and baking times for cooking processes. The calculate_cook_time function first creates a matrix with random complex numbers. It then records the start time, repeatedly calculates the pseudo-inverse of the matrix in a loop to simulate an extended computational task, and records the end time. The preparation time (cook_time) is determined by calculating the difference between the start and end times in seconds. The calculate_bake_time function estimates the baking time as half of the preparation time, reflecting a simplified assumption that baking takes half as long as the preparation. These functions are used to simulate the time-consuming tasks involved in cooking within the program.

4.1.5. Thread Functions for Handling Clients, Cooking, and Deliveries:

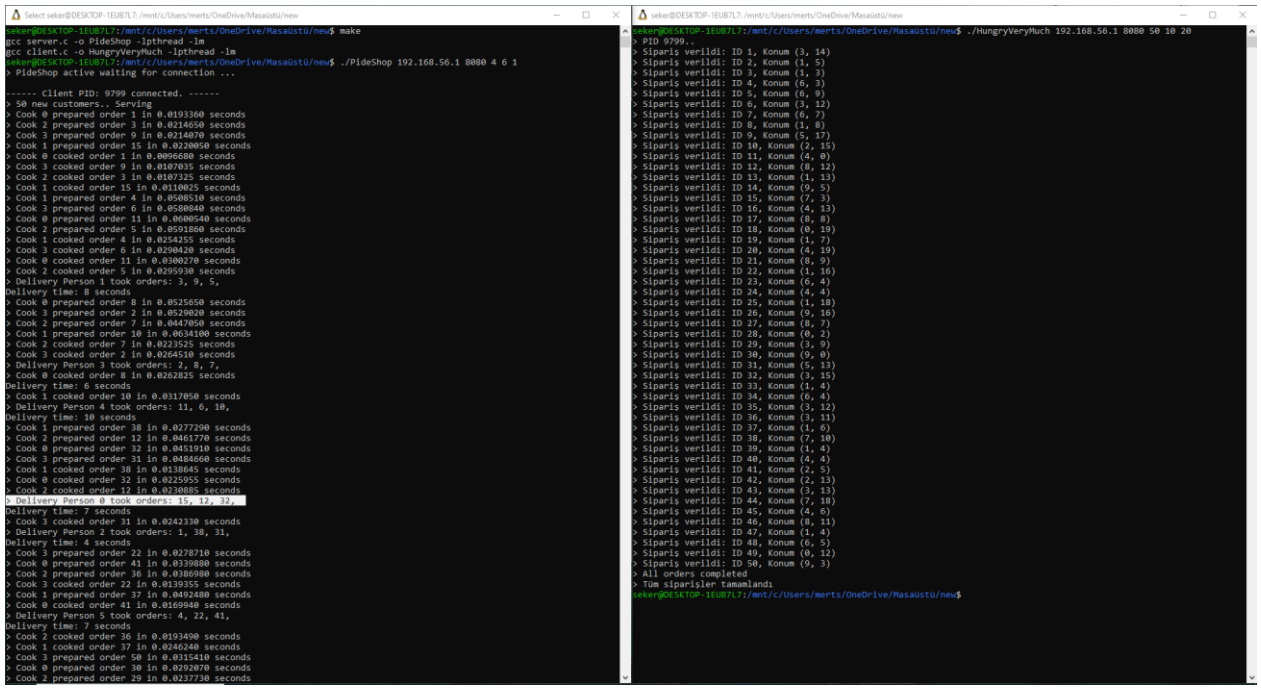
This section details the thread functions responsible for managing client connections, cooking processes, and deliveries. The handle_client function processes incoming client orders by reading order details, expanding the order array if necessary, and adding the order to the global array. The cook_function simulates a cook's activity by preparing and cooking orders, calculating preparation and cooking times, and logging these activities while updating order states and signaling delivery threads. The delivery_function manages deliveries by waiting for the delivery person’s bag to fill, simulating delivery times based on distance, and updating order states to reflect completion, while also logging the process. Additionally, handle_status_updates listens for status updates from clients for monitoring, and handle_completion_updates notifies when all orders are completed. Finally, handle_signal ensures a graceful shutdown by logging a shutdown message, cleaning up resources, and exiting the program. These functions collectively ensure efficient and synchronized processing of orders from reception to delivery.

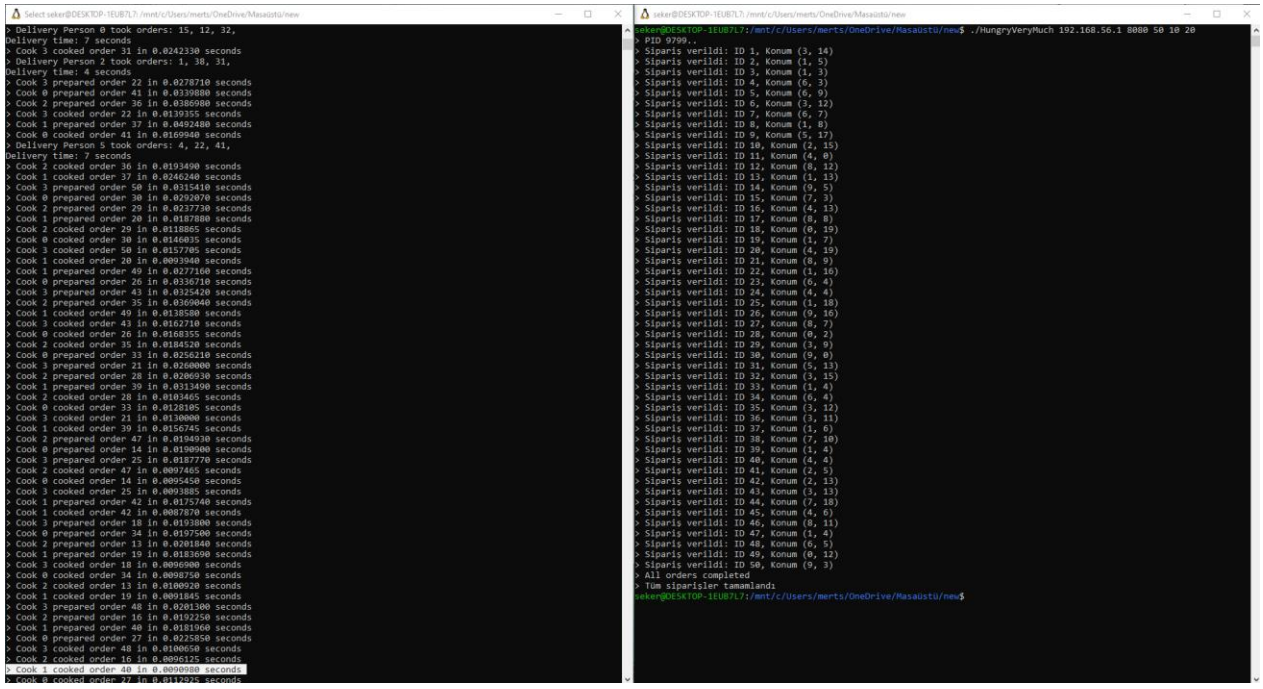
4.2. Client.c:

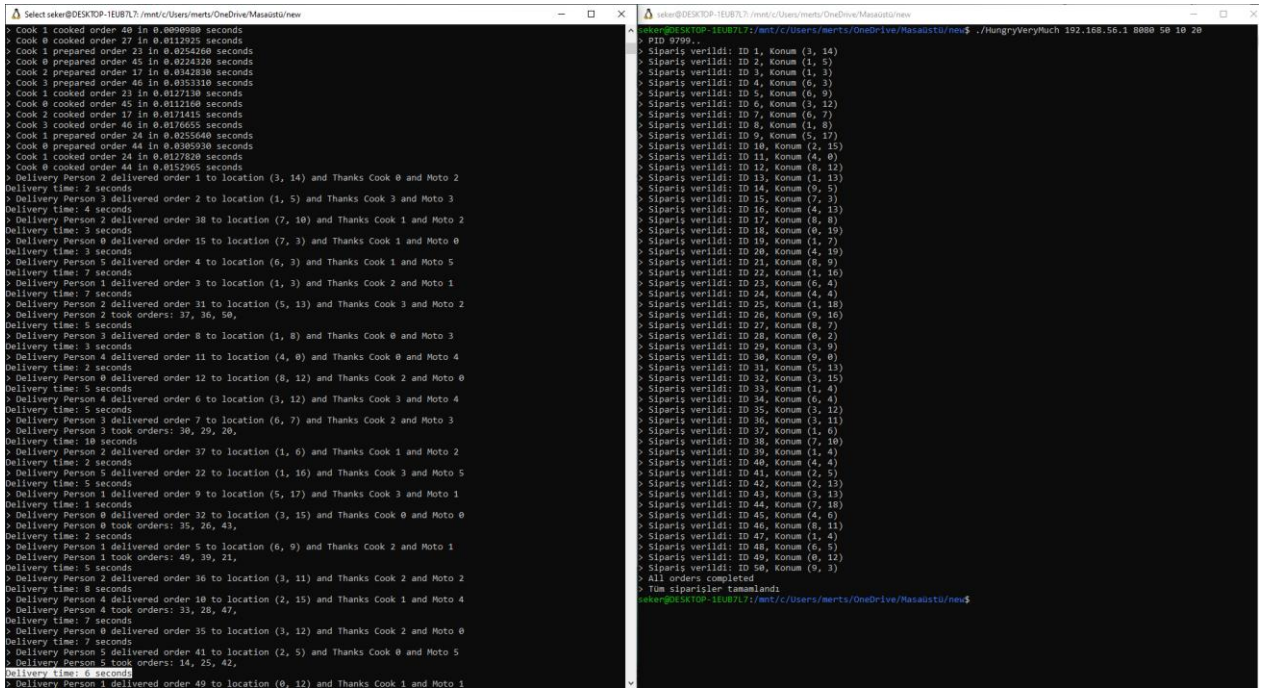
This client program manages multiple client connections, sending orders to a server and waiting for their completion. It starts by parsing command-line arguments to obtain the server's IP address, port, number of clients, and map dimensions (p and q). After initializing the clients, it sends these initial values to the server. Each client creates a socket, connects to the server, and sends order details including order ID, customer coordinates, and the client PID. The receive_completion_status function waits for the server's signal that all orders are complete by reading messages from a specific port. The program includes signal handling to gracefully close all sockets and free allocated memory on receiving SIGINT or SIGTERM, ensuring proper cleanup and termination.

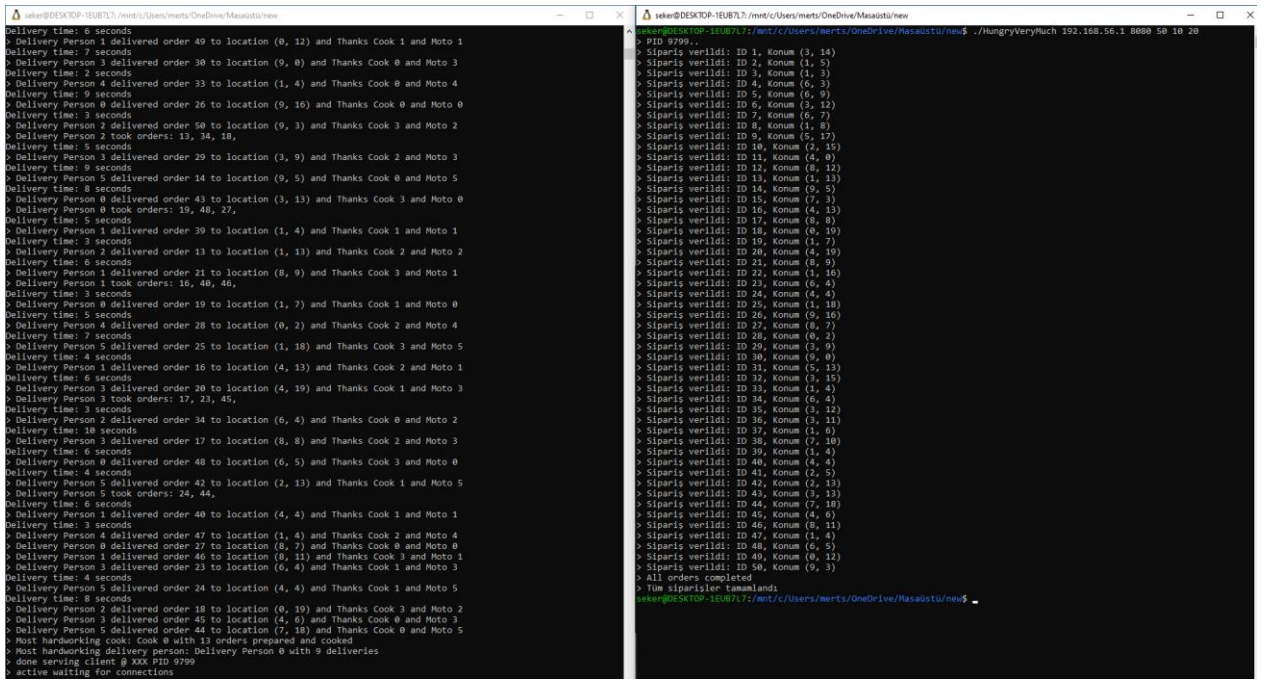
5. Example Outputs:

5.1. Customer number is 50:

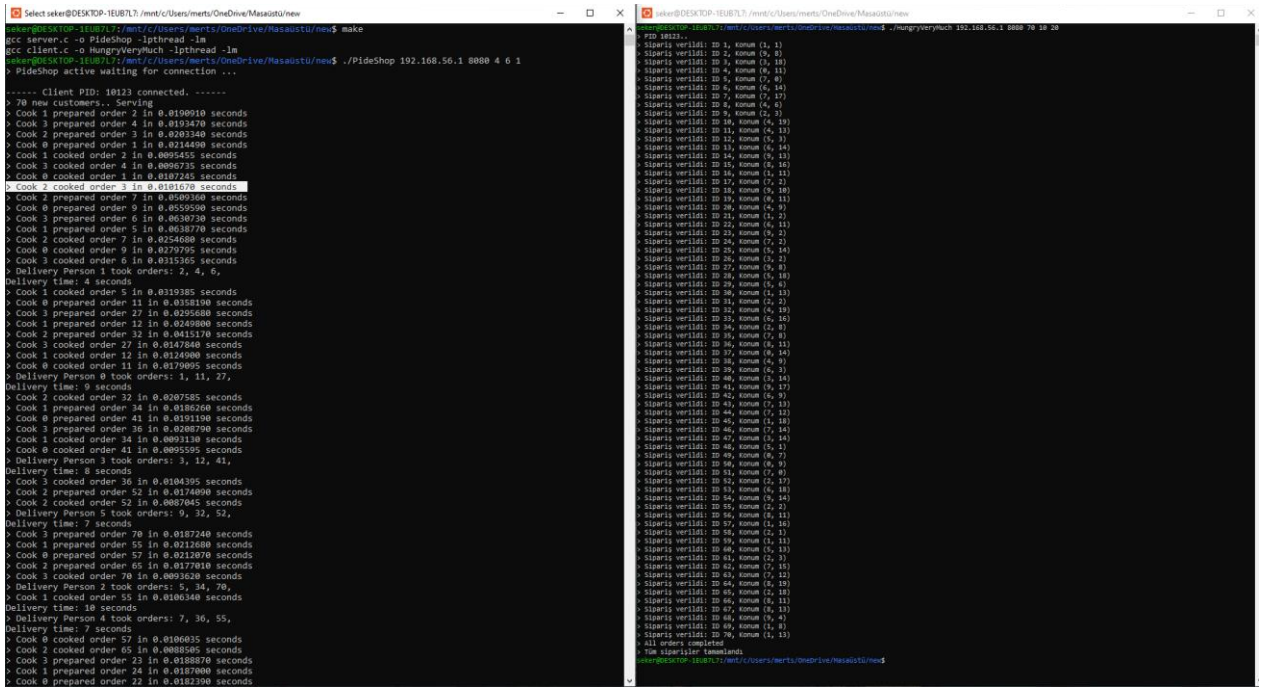


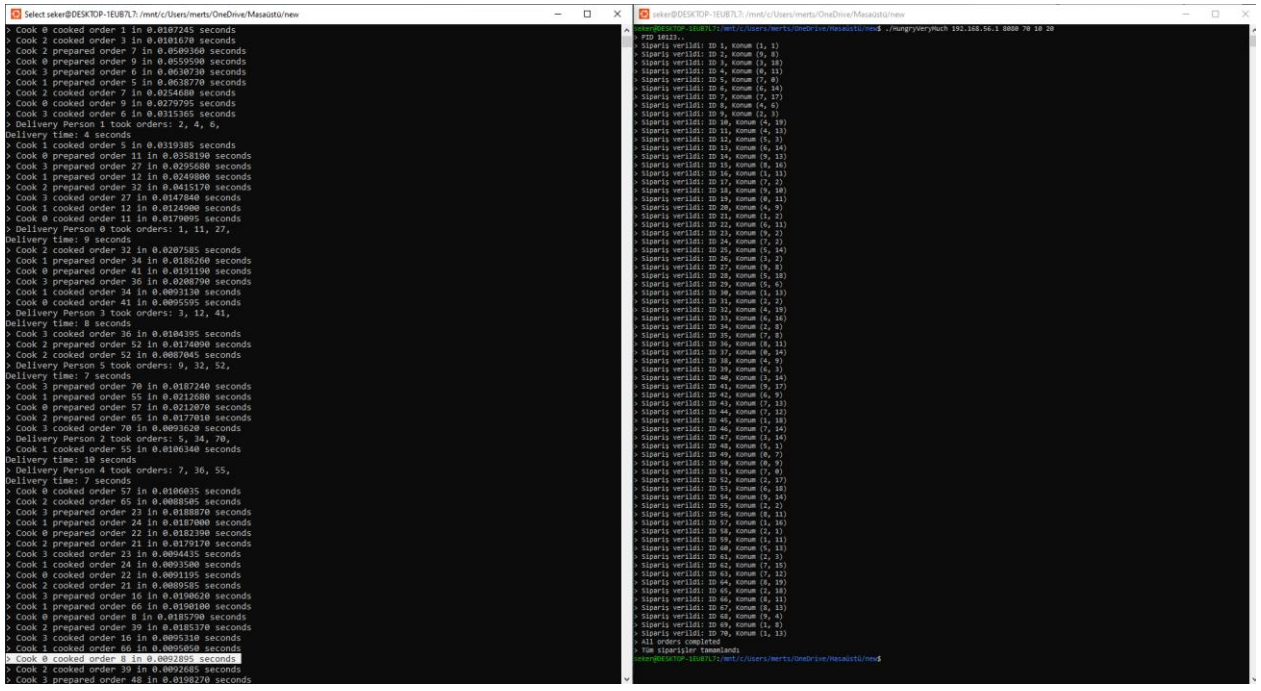


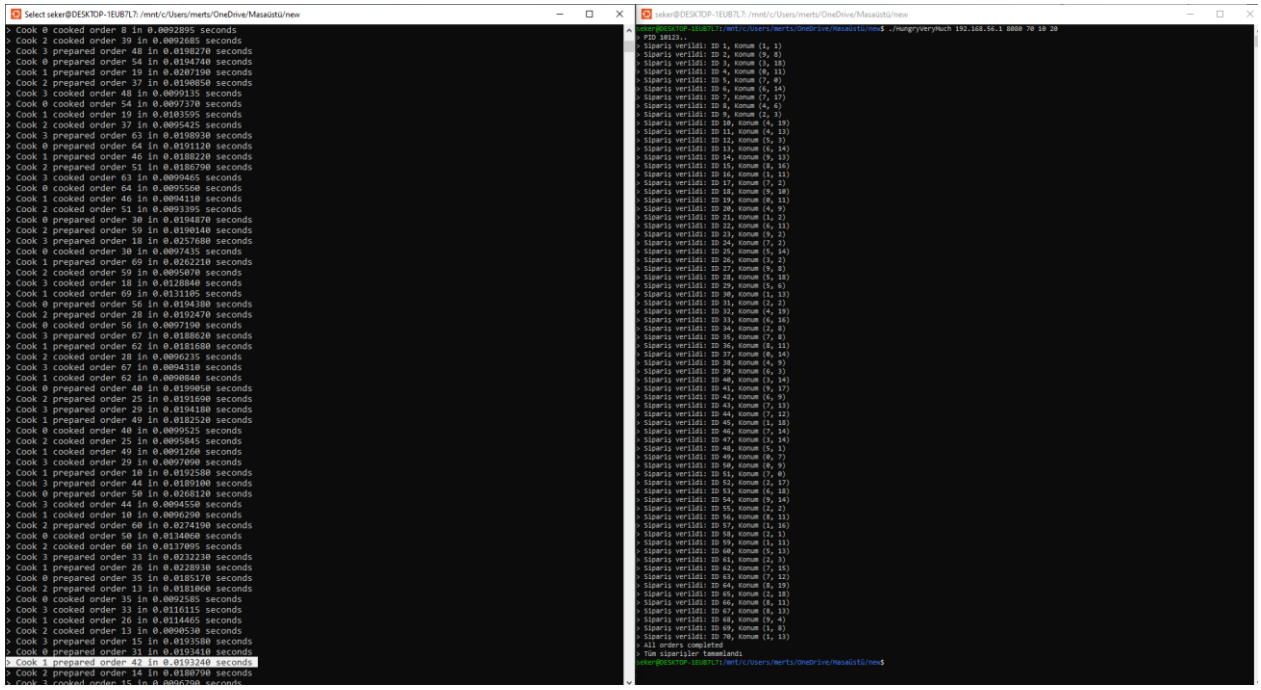

Select seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
> Cook 1 cooked order 40 in 0.0090980 seconds
> Cook 0 cooked order 27 in 0.0112925 seconds
> Cook 1 prepared order 23 in 0.0254260 seconds
> Cook 0 prepared order 45 in 0.0224320 seconds
> Cook 2 prepared order 17 in 0.0342830 seconds
> Cook 3 prepared order 46 in 0.0353310 seconds
> Cook 1 cooked order 23 in 0.0127130 seconds
> Cook 0 cooked order 45 in 0.0112160 seconds
> Cook 2 cooked order 17 in 0.0171415 seconds
> Cook 3 cooked order 46 in 0.0176655 seconds
> Cook 1 prepared order 24 in 0.0255640 seconds
> Cook 0 prepared order 44 in 0.0305930 seconds
> Cook 1 cooked order 24 in 0.0127820 seconds
> Cook 0 cooked order 44 in 0.0152965 seconds
> Delivery Person 2 delivered order 1 to location (3, 14) and Thanks Cook 0 and Moto 2
Delivery time: 2 seconds
> Delivery Person 3 delivered order 2 to location (1, 5) and Thanks Cook 3 and Moto 3
Delivery time: 4 seconds
> Delivery Person 2 delivered order 38 to location (7, 10) and Thanks Cook 1 and Moto 2
Delivery time: 3 seconds
> Delivery Person 0 delivered order 15 to location (7, 3) and Thanks Cook 1 and Moto 0
Delivery time: 3 seconds
> Delivery Person 5 delivered order 4 to location (6, 3) and Thanks Cook 1 and Moto 5
Delivery time: 7 seconds
> Delivery Person 1 delivered order 3 to location (1, 3) and Thanks Cook 2 and Moto 1
Delivery time: 7 seconds
> Delivery Person 2 delivered order 31 to location (5, 13) and Thanks Cook 3 and Moto 2
> Delivery Person 2 took orders: 37, 36, 50,
Delivery time: 5 seconds
> Delivery Person 3 delivered order 8 to location (1, 8) and Thanks Cook 0 and Moto 3
Delivery time: 3 seconds
> Delivery Person 4 delivered order 11 to location (4, 0) and Thanks Cook 0 and Moto 4
Delivery time: 2 seconds
> Delivery Person 0 delivered order 12 to location (8, 12) and Thanks Cook 2 and Moto 0
Delivery time: 5 seconds
> Delivery Person 4 delivered order 6 to location (3, 12) and Thanks Cook 3 and Moto 4
Delivery time: 5 seconds
> Delivery Person 3 delivered order 7 to location (6, 7) and Thanks Cook 2 and Moto 3
> Delivery Person 3 took orders: 38, 29, 20,
Delivery time: 10 seconds
> Delivery Person 2 delivered order 37 to location (1, 6) and Thanks Cook 1 and Moto 2
Delivery time: 2 seconds
> Delivery Person 5 delivered order 22 to location (1, 16) and Thanks Cook 3 and Moto 5
Delivery time: 5 seconds
> Delivery Person 1 delivered order 9 to location (5, 17) and Thanks Cook 3 and Moto 1
Delivery time: 1 seconds
> Delivery Person 0 delivered order 32 to location (3, 15) and Thanks Cook 0 and Moto 0
> Delivery Person 0 took orders: 35, 26, 43,
Delivery time: 2 seconds
> Delivery Person 1 delivered order 5 to location (6, 9) and Thanks Cook 2 and Moto 1
> Delivery Person 1 took orders: 49, 39, 21,
Delivery time: 5 seconds
> Delivery Person 2 delivered order 36 to location (3, 11) and Thanks Cook 2 and Moto 2
Delivery time: 8 seconds
> Delivery Person 4 delivered order 10 to location (2, 15) and Thanks Cook 1 and Moto 4
> Delivery Person 4 took orders: 33, 28, 47,
Delivery time: 7 seconds
> Delivery Person 0 delivered order 35 to location (3, 12) and Thanks Cook 2 and Moto 0
Delivery time: 7 seconds
> Delivery Person 5 delivered order 41 to location (2, 5) and Thanks Cook 0 and Moto 5
> Delivery Person 5 took orders: 14, 25, 42,
Delivery time: 6 seconds
> Delivery Person 1 delivered order 49 to location (0, 12) and Thanks Cook 1 and Moto 1
seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$ ./HungryVeryMuch 192.168.56.1 8080 50 10 20
> PID 9799..
> Sipariş verildi: ID 1, Konum (3, 14)
> Sipariş verildi: ID 2, Konum (1, 5)
> Sipariş verildi: ID 3, Konum (1, 3)
> Sipariş verildi: ID 4, Konum (6, 3)
> Sipariş verildi: ID 5, Konum (6, 9)
> Sipariş verildi: ID 6, Konum (3, 12)
> Sipariş verildi: ID 7, Konum (6, 7)
> Sipariş verildi: ID 8, Konum (1, 8)
> Sipariş verildi: ID 9, Konum (5, 17)
> Sipariş verildi: ID 10, Konum (2, 15)
> Sipariş verildi: ID 11, Konum (4, 0)
> Sipariş verildi: ID 12, Konum (8, 12)
> Sipariş verildi: ID 13, Konum (1, 13)
> Sipariş verildi: ID 14, Konum (9, 5)
> Sipariş verildi: ID 15, Konum (7, 3)
> Sipariş verildi: ID 16, Konum (4, 13)
> Sipariş verildi: ID 17, Konum (8, 8)
> Sipariş verildi: ID 18, Konum (0, 19)
> Sipariş verildi: ID 19, Konum (1, 7)
> Sipariş verildi: ID 20, Konum (4, 19)
> Sipariş verildi: ID 21, Konum (8, 9)
> Sipariş verildi: ID 22, Konum (1, 16)
> Sipariş verildi: ID 23, Konum (6, 4)
> Sipariş verildi: ID 24, Konum (4, 4)
> Sipariş verildi: ID 25, Konum (1, 18)
> Sipariş verildi: ID 26, Konum (9, 16)
> Sipariş verildi: ID 27, Konum (8, 7)
> Sipariş verildi: ID 28, Konum (0, 2)
> Sipariş verildi: ID 29, Konum (3, 9)
> Sipariş verildi: ID 30, Konum (9, 0)
> Sipariş verildi: ID 31, Konum (5, 13)
> Sipariş verildi: ID 32, Konum (3, 15)
> Sipariş verildi: ID 33, Konum (1, 4)
> Sipariş verildi: ID 34, Konum (6, 4)
> Sipariş verildi: ID 35, Konum (3, 12)
> Sipariş verildi: ID 36, Konum (3, 11)
> Sipariş verildi: ID 37, Konum (1, 6)
> Sipariş verildi: ID 38, Konum (7, 10)
> Sipariş verildi: ID 39, Konum (1, 4)
> Sipariş verildi: ID 40, Konum (4, 4)
> Sipariş verildi: ID 41, Konum (2, 5)
> Sipariş verildi: ID 42, Konum (2, 13)
> Sipariş verildi: ID 43, Konum (3, 13)
> Sipariş verildi: ID 44, Konum (7, 18)
> Sipariş verildi: ID 45, Konum (4, 6)
> Sipariş verildi: ID 46, Konum (8, 11)
> Sipariş verildi: ID 47, Konum (1, 4)
> Sipariş verildi: ID 48, Konum (6, 5)
> Sipariş verildi: ID 49, Konum (0, 12)
> Sipariş verildi: ID 50, Konum (9, 3)
> All orders completed
> Tüm siparişler tamamlandı
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$

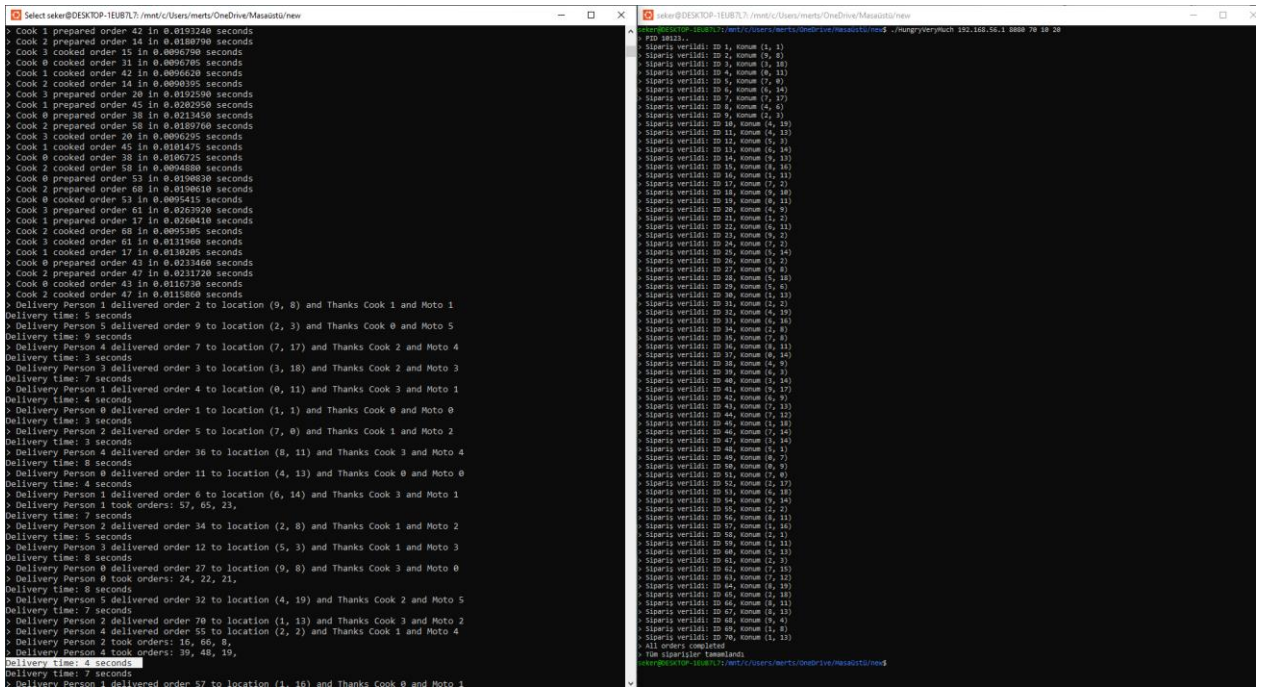

seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
Delivery time: 6 seconds
> Delivery Person 1 delivered order 49 to location (0, 12) and Thanks Cook 1 and Moto 1
Delivery time: 7 seconds
> Delivery Person 3 delivered order 30 to location (9, 0) and Thanks Cook 0 and Moto 3
Delivery time: 2 seconds
> Delivery Person 4 delivered order 33 to location (1, 4) and Thanks Cook 0 and Moto 4
Delivery time: 9 seconds
> Delivery Person 0 delivered order 26 to location (9, 16) and Thanks Cook 0 and Moto 0
Delivery time: 3 seconds
> Delivery Person 2 delivered order 50 to location (9, 3) and Thanks Cook 3 and Moto 2
> Delivery Person 2 took orders: 13, 34, 18,
Delivery time: 5 seconds
> Delivery Person 3 delivered order 29 to location (3, 9) and Thanks Cook 2 and Moto 3
Delivery time: 9 seconds
> Delivery Person 5 delivered order 14 to location (9, 5) and Thanks Cook 0 and Moto 5
Delivery time: 8 seconds
> Delivery Person 0 delivered order 43 to location (3, 13) and Thanks Cook 3 and Moto 0
> Delivery Person 0 took orders: 19, 48, 27,
Delivery time: 5 seconds
> Delivery Person 1 delivered order 39 to location (1, 4) and Thanks Cook 1 and Moto 1
Delivery time: 3 seconds
> Delivery Person 2 delivered order 13 to location (1, 13) and Thanks Cook 2 and Moto 2
Delivery time: 6 seconds
> Delivery Person 1 delivered order 21 to location (8, 9) and Thanks Cook 3 and Moto 1
> Delivery Person 1 took orders: 16, 40, 46,
Delivery time: 3 seconds
> Delivery Person 0 delivered order 19 to location (1, 7) and Thanks Cook 1 and Moto 0
Delivery time: 5 seconds
> Delivery Person 4 delivered order 28 to location (0, 2) and Thanks Cook 2 and Moto 4
Delivery time: 7 seconds
> Delivery Person 5 delivered order 25 to location (1, 18) and Thanks Cook 3 and Moto 5
Delivery time: 4 seconds
> Delivery Person 1 delivered order 16 to location (4, 13) and Thanks Cook 2 and Moto 1
Delivery time: 6 seconds
> Delivery Person 3 delivered order 20 to location (4, 19) and Thanks Cook 1 and Moto 3
> Delivery Person 3 took orders: 17, 23, 45,
Delivery time: 3 seconds
> Delivery Person 2 delivered order 34 to location (6, 4) and Thanks Cook 0 and Moto 2
Delivery time: 10 seconds
> Delivery Person 3 delivered order 17 to location (8, 8) and Thanks Cook 2 and Moto 3
Delivery time: 6 seconds
> Delivery Person 0 delivered order 48 to location (6, 5) and Thanks Cook 3 and Moto 0
Delivery time: 4 seconds
> Delivery Person 5 delivered order 42 to location (2, 13) and Thanks Cook 1 and Moto 5
> Delivery Person 5 took orders: 24, 44,
Delivery time: 6 seconds
> Delivery Person 1 delivered order 40 to location (4, 4) and Thanks Cook 1 and Moto 1
Delivery time: 3 seconds
> Delivery Person 4 delivered order 47 to location (1, 4) and Thanks Cook 2 and Moto 4
> Delivery Person 0 delivered order 27 to location (8, 7) and Thanks Cook 0 and Moto 0
> Delivery Person 1 delivered order 46 to location (8, 11) and Thanks Cook 3 and Moto 1
> Delivery Person 3 delivered order 23 to location (6, 4) and Thanks Cook 1 and Moto 3
Delivery time: 4 seconds
> Delivery Person 5 delivered order 24 to location (4, 4) and Thanks Cook 1 and Moto 5
Delivery time: 8 seconds
> Delivery Person 2 delivered order 18 to location (0, 19) and Thanks Cook 3 and Moto 2
> Delivery Person 3 delivered order 45 to location (4, 6) and Thanks Cook 0 and Moto 3
> Delivery Person 5 delivered order 44 to location (7, 18) and Thanks Cook 0 and Moto 5
> Most hardworking cook: Cook 0 with 13 orders prepared and cooked
> Most hardworking delivery person: Delivery Person 0 with 9 deliveries
> done serving client @ XXX PID 9799
> active waiting for connections
seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$ ./HungryVeryMuch 192.168.56.1 8080 50 10 20
> PID 9799..
> Sipariş verildi: ID 1, Konum (3, 14)
> Sipariş verildi: ID 2, Konum (1, 5)
> Sipariş verildi: ID 3, Konum (1, 3)
> Sipariş verildi: ID 4, Konum (6, 3)
> Sipariş verildi: ID 5, Konum (6, 9)
> Sipariş verildi: ID 6, Konum (3, 12)
> Sipariş verildi: ID 7, Konum (6, 7)
> Sipariş verildi: ID 8, Konum (1, 8)
> Sipariş verildi: ID 9, Konum (5, 17)
> Sipariş verildi: ID 10, Konum (2, 15)
> Sipariş verildi: ID 11, Konum (4, 0)
> Sipariş verildi: ID 12, Konum (8, 12)
> Sipariş verildi: ID 13, Konum (1, 13)
> Sipariş verildi: ID 14, Konum (9, 5)
> Sipariş verildi: ID 15, Konum (7, 3)
> Sipariş verildi: ID 16, Konum (4, 13)
> Sipariş verildi: ID 17, Konum (8, 8)
> Sipariş verildi: ID 18, Konum (0, 19)
> Sipariş verildi: ID 19, Konum (1, 7)
> Sipariş verildi: ID 20, Konum (4, 19)
> Sipariş verildi: ID 21, Konum (8, 9)
> Sipariş verildi: ID 22, Konum (1, 16)
> Sipariş verildi: ID 23, Konum (6, 4)
> Sipariş verildi: ID 24, Konum (4, 4)
> Sipariş verildi: ID 25, Konum (1, 18)
> Sipariş verildi: ID 26, Konum (9, 16)
> Sipariş verildi: ID 27, Konum (8, 7)
> Sipariş verildi: ID 28, Konum (0, 2)
> Sipariş verildi: ID 29, Konum (3, 9)
> Sipariş verildi: ID 30, Konum (9, 0)
> Sipariş verildi: ID 31, Konum (5, 13)
> Sipariş verildi: ID 32, Konum (3, 15)
> Sipariş verildi: ID 33, Konum (1, 4)
> Sipariş verildi: ID 34, Konum (6, 4)
> Sipariş verildi: ID 35, Konum (3, 12)
> Sipariş verildi: ID 36, Konum (3, 11)
> Sipariş verildi: ID 37, Konum (1, 6)
> Sipariş verildi: ID 38, Konum (7, 10)
> Sipariş verildi: ID 39, Konum (1, 4)
> Sipariş verildi: ID 40, Konum (4, 4)
> Sipariş verildi: ID 41, Konum (2, 5)
> Sipariş verildi: ID 42, Konum (2, 13)
> Sipariş verildi: ID 43, Konum (3, 13)
> Sipariş verildi: ID 44, Konum (7, 18)
> Sipariş verildi: ID 45, Konum (4, 6)
> Sipariş verildi: ID 46, Konum (8, 11)
> Sipariş verildi: ID 47, Konum (1, 4)
> Sipariş verildi: ID 48, Konum (6, 5)
> Sipariş verildi: ID 49, Konum (0, 12)
> Sipariş verildi: ID 50, Konum (9, 3)
> All orders completed
> Tüm siparişler tamamlandı
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$

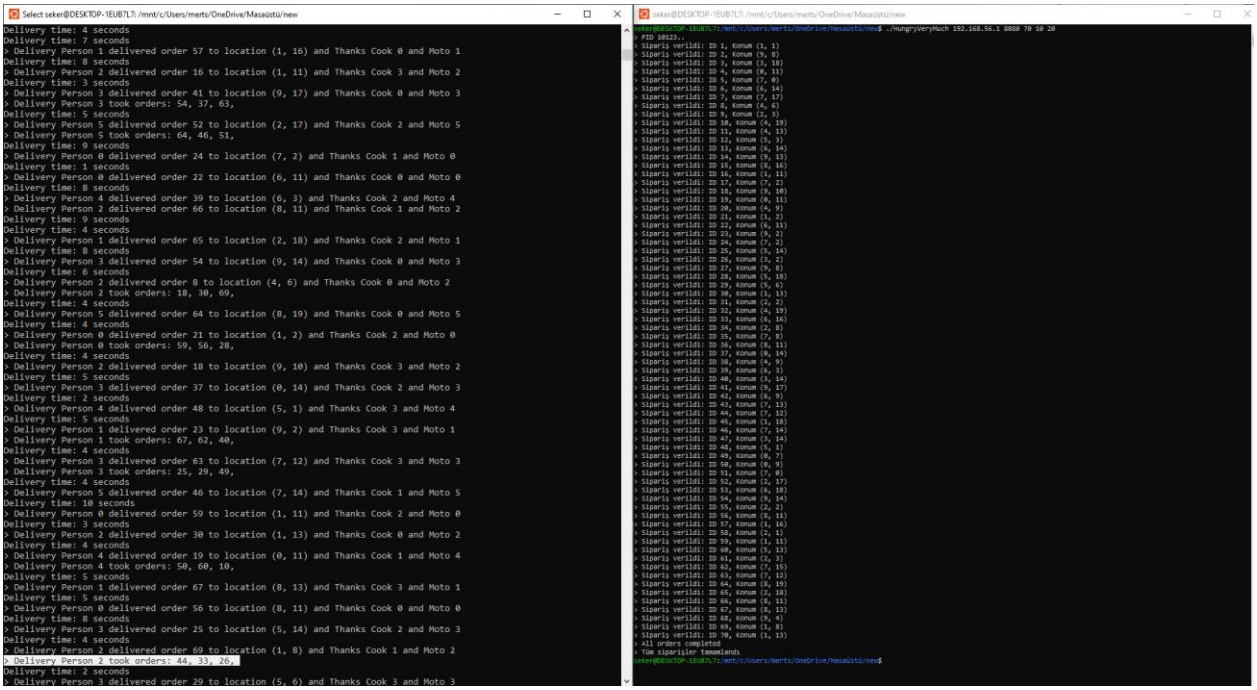
5.2. Customer number is 70:

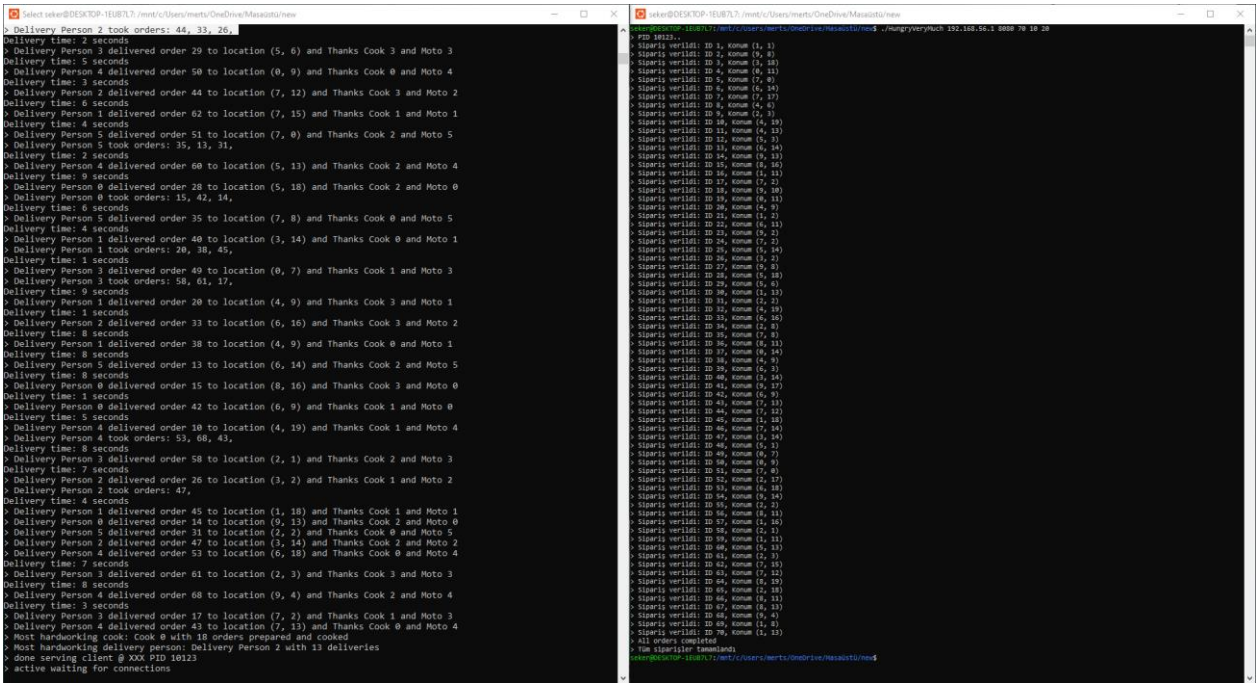




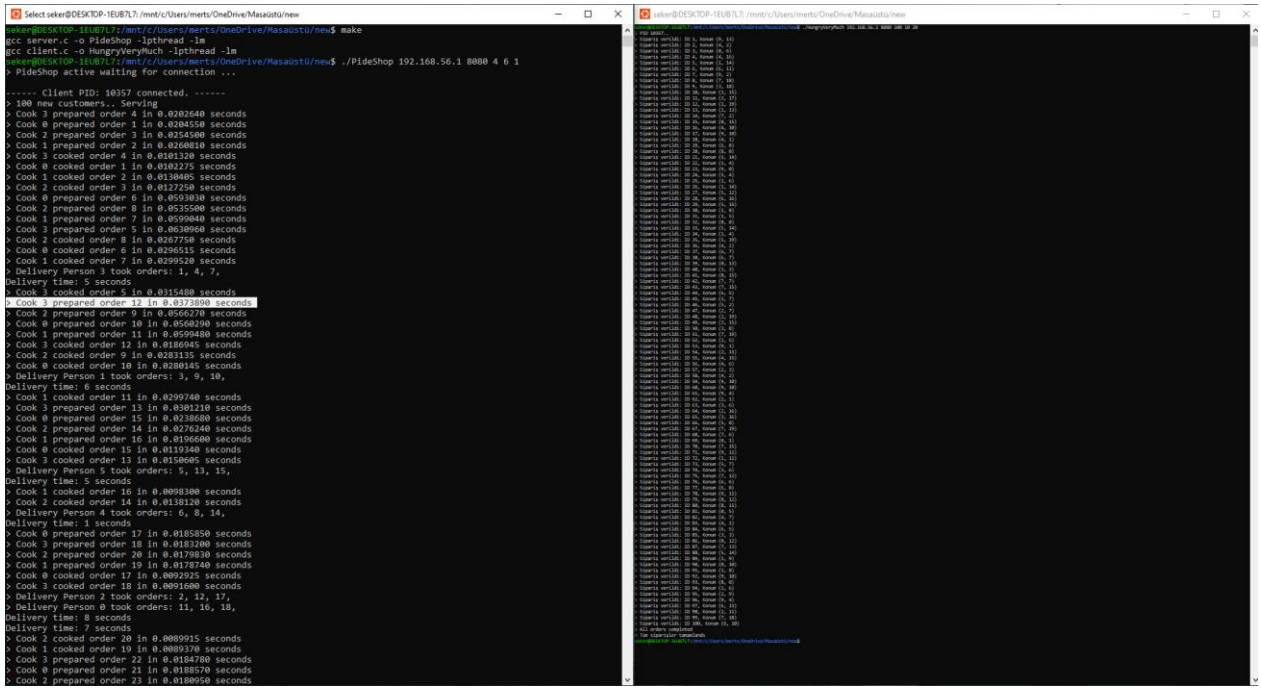

Select seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
> Cook 0 cooked order 8 in 0.0092895 seconds
> Cook 2 cooked order 39 in 0.0092685 seconds
> Cook 3 prepared order 48 in 0.0198270 seconds
> Cook 0 prepared order 54 in 0.0194740 seconds
> Cook 1 prepared order 19 in 0.0207190 seconds
> Cook 2 prepared order 37 in 0.0190850 seconds
> Cook 3 cooked order 48 in 0.0099135 seconds
> Cook 0 cooked order 54 in 0.0097370 seconds
> Cook 1 cooked order 19 in 0.0103595 seconds
> Cook 2 cooked order 37 in 0.0095425 seconds
> Cook 3 prepared order 63 in 0.0198930 seconds
> Cook 0 prepared order 64 in 0.0191120 seconds
> Cook 1 prepared order 46 in 0.0188220 seconds
> Cook 2 prepared order 51 in 0.0186790 seconds
> Cook 3 cooked order 63 in 0.0099465 seconds
> Cook 0 cooked order 64 in 0.0095560 seconds
> Cook 1 cooked order 46 in 0.0094110 seconds
> Cook 2 cooked order 51 in 0.0093395 seconds
> Cook 0 prepared order 30 in 0.0194870 seconds
> Cook 2 prepared order 59 in 0.0190140 seconds
> Cook 3 prepared order 18 in 0.0257680 seconds
> Cook 0 cooked order 30 in 0.0097435 seconds
> Cook 1 prepared order 69 in 0.0262210 seconds
> Cook 2 cooked order 59 in 0.0095070 seconds
> Cook 3 cooked order 18 in 0.0128840 seconds
> Cook 1 cooked order 69 in 0.0131105 seconds
> Cook 0 prepared order 56 in 0.0194380 seconds
> Cook 2 prepared order 28 in 0.0192470 seconds
> Cook 0 cooked order 56 in 0.0097190 seconds
> Cook 3 prepared order 67 in 0.0188620 seconds
> Cook 1 prepared order 62 in 0.0181680 seconds
> Cook 2 cooked order 28 in 0.0096235 seconds
> Cook 3 cooked order 67 in 0.0094310 seconds
> Cook 1 cooked order 62 in 0.0090840 seconds
> Cook 0 prepared order 40 in 0.0190850 seconds
> Cook 2 prepared order 25 in 0.0191690 seconds
> Cook 3 prepared order 29 in 0.0194180 seconds
> Cook 1 prepared order 49 in 0.0182520 seconds
> Cook 0 cooked order 40 in 0.0099525 seconds
> Cook 2 cooked order 25 in 0.0095845 seconds
> Cook 1 cooked order 49 in 0.0091260 seconds
> Cook 3 cooked order 29 in 0.0097090 seconds
> Cook 1 prepared order 10 in 0.0192580 seconds
> Cook 3 prepared order 44 in 0.0189100 seconds
> Cook 0 prepared order 50 in 0.0268120 seconds
> Cook 3 cooked order 44 in 0.0094550 seconds
> Cook 1 cooked order 10 in 0.0096290 seconds
> Cook 2 prepared order 60 in 0.0274190 seconds
> Cook 0 cooked order 50 in 0.0134060 seconds
> Cook 2 cooked order 60 in 0.0137095 seconds
> Cook 3 prepared order 33 in 0.0232230 seconds
> Cook 1 prepared order 26 in 0.0228930 seconds
> Cook 0 prepared order 35 in 0.0185170 seconds
> Cook 2 prepared order 13 in 0.0181060 seconds
> Cook 0 cooked order 35 in 0.0092585 seconds
> Cook 3 cooked order 33 in 0.0116115 seconds
> Cook 1 cooked order 26 in 0.0114465 seconds
> Cook 2 cooked order 13 in 0.0090530 seconds
> Cook 3 prepared order 15 in 0.0193580 seconds
> Cook 0 prepared order 31 in 0.0193410 seconds
> Cook 1 prepared order 42 in 0.0193240 seconds
> Cook 2 prepared order 14 in 0.0180790 seconds
seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$ ./HungryVeryMuch 192.168.56.1 8080 70 10 20
PID 10123..
Sipariş verildi: ID 1, Konum (1, 1)
Sipariş verildi: ID 2, Konum (9, 8)
Sipariş verildi: ID 3, Konum (3, 18)
Sipariş verildi: ID 4, Konum (0, 11)
Sipariş verildi: ID 5, Konum (7, 0)
Sipariş verildi: ID 6, Konum (6, 14)
Sipariş verildi: ID 7, Konum (7, 17)
Sipariş verildi: ID 8, Konum (4, 6)
Sipariş verildi: ID 9, Konum (2, 3)
Sipariş verildi: ID 10, Konum (4, 19)
Sipariş verildi: ID 11, Konum (4, 13)
Sipariş verildi: ID 12, Konum (5, 3)
Sipariş verildi: ID 13, Konum (6, 14)
Sipariş verildi: ID 14, Konum (9, 13)
Sipariş verildi: ID 15, Konum (8, 16)
Sipariş verildi: ID 16, Konum (1, 11)
Sipariş verildi: ID 17, Konum (7, 2)
Sipariş verildi: ID 18, Konum (9, 10)
Sipariş verildi: ID 19, Konum (0, 11)
Sipariş verildi: ID 20, Konum (4, 9)
Sipariş verildi: ID 21, Konum (1, 2)
Sipariş verildi: ID 22, Konum (6, 11)
Sipariş verildi: ID 23, Konum (9, 2)
Sipariş verildi: ID 24, Konum (7, 2)
Sipariş verildi: ID 25, Konum (5, 14)
Sipariş verildi: ID 26, Konum (3, 2)
Sipariş verildi: ID 27, Konum (9, 9)
Sipariş verildi: ID 28, Konum (5, 18)
Sipariş verildi: ID 29, Konum (5, 6)
Sipariş verildi: ID 30, Konum (1, 13)
Sipariş verildi: ID 31, Konum (2, 2)
Sipariş verildi: ID 32, Konum (4, 19)
Sipariş verildi: ID 33, Konum (6, 16)
Sipariş verildi: ID 34, Konum (2, 8)
Sipariş verildi: ID 35, Konum (7, 8)
Sipariş verildi: ID 36, Konum (8, 11)
Sipariş verildi: ID 37, Konum (0, 14)
Sipariş verildi: ID 38, Konum (4, 9)
Sipariş verildi: ID 39, Konum (6, 3)
Sipariş verildi: ID 40, Konum (3, 14)
Sipariş verildi: ID 41, Konum (9, 17)
Sipariş verildi: ID 42, Konum (6, 9)
Sipariş verildi: ID 43, Konum (7, 13)
Sipariş verildi: ID 44, Konum (7, 12)
Sipariş verildi: ID 45, Konum (1, 18)
Sipariş verildi: ID 46, Konum (3, 14)
Sipariş verildi: ID 47, Konum (3, 14)
Sipariş verildi: ID 48, Konum (5, 1)
Sipariş verildi: ID 49, Konum (0, 7)
Sipariş verildi: ID 50, Konum (0, 9)
Sipariş verildi: ID 51, Konum (7, 0)
Sipariş verildi: ID 52, Konum (2, 17)
Sipariş verildi: ID 53, Konum (6, 18)
Sipariş verildi: ID 54, Konum (9, 14)
Sipariş verildi: ID 55, Konum (2, 2)
Sipariş verildi: ID 56, Konum (8, 11)
Sipariş verildi: ID 57, Konum (1, 16)
Sipariş verildi: ID 58, Konum (2, 1)
Sipariş verildi: ID 59, Konum (1, 11)
Sipariş verildi: ID 60, Konum (5, 13)
Sipariş verildi: ID 61, Konum (2, 3)
Sipariş verildi: ID 62, Konum (7, 15)
Sipariş verildi: ID 63, Konum (7, 12)
Sipariş verildi: ID 64, Konum (8, 19)
Sipariş verildi: ID 65, Konum (2, 18)
Sipariş verildi: ID 66, Konum (8, 11)
Sipariş verildi: ID 67, Konum (8, 13)
Sipariş verildi: ID 68, Konum (9, 4)
Sipariş verildi: ID 69, Konum (1, 8)
Sipariş verildi: ID 70, Konum (1, 13)
All orders completed
Tüm siparişler tamamlandı
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$

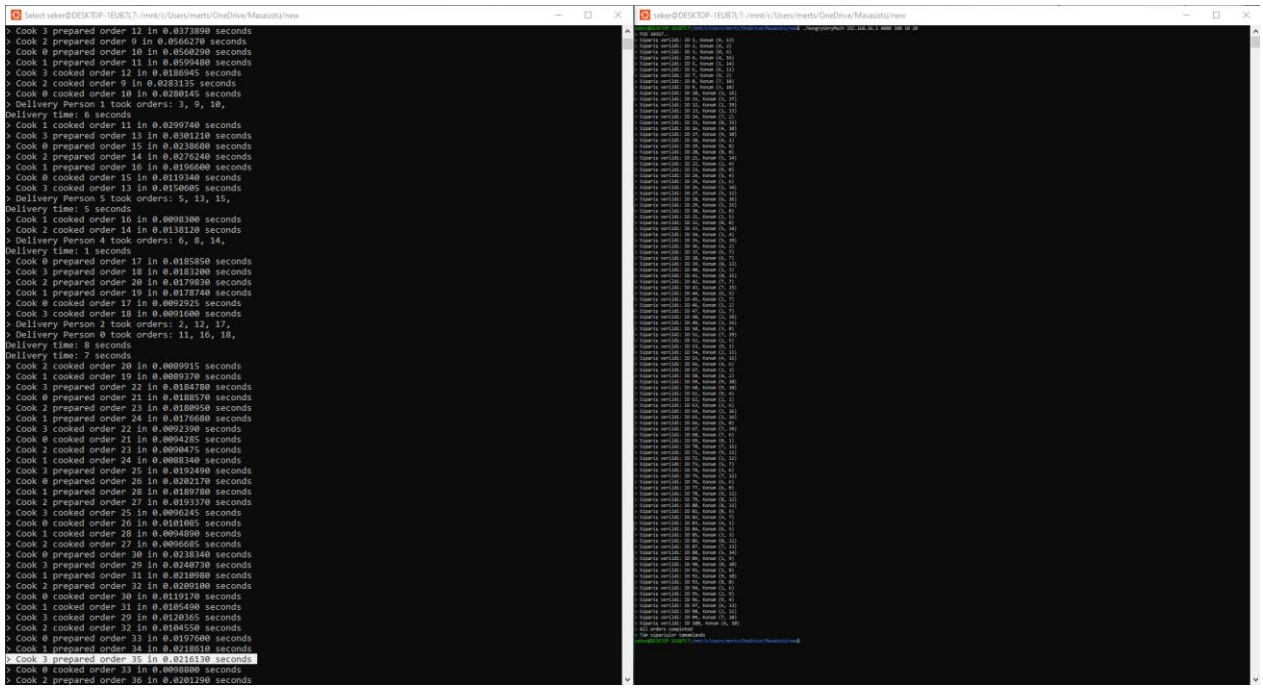

Select seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
> Cook 1 prepared order 42 in 0.0193240 seconds
> Cook 2 prepared order 14 in 0.0180790 seconds
> Cook 3 cooked order 15 in 0.0096790 seconds
> Cook 0 cooked order 31 in 0.0096705 seconds
> Cook 1 cooked order 42 in 0.0096620 seconds
> Cook 2 cooked order 14 in 0.0090395 seconds
> Cook 3 prepared order 20 in 0.0192500 seconds
> Cook 1 prepared order 45 in 0.0202950 seconds
> Cook 0 prepared order 38 in 0.0213450 seconds
> Cook 2 prepared order 58 in 0.0189760 seconds
> Cook 3 cooked order 20 in 0.0096295 seconds
> Cook 1 cooked order 45 in 0.0101475 seconds
> Cook 0 cooked order 38 in 0.0106725 seconds
> Cook 2 cooked order 58 in 0.0094880 seconds
> Cook 0 prepared order 53 in 0.0190830 seconds
> Cook 2 prepared order 68 in 0.0190610 seconds
> Cook 0 cooked order 53 in 0.0095415 seconds
> Cook 3 prepared order 61 in 0.0263920 seconds
> Cook 1 prepared order 17 in 0.0260410 seconds
> Cook 2 cooked order 68 in 0.0095305 seconds
> Cook 3 cooked order 61 in 0.0131960 seconds
> Cook 1 cooked order 17 in 0.0130205 seconds
> Cook 0 prepared order 43 in 0.0233460 seconds
> Cook 2 prepared order 47 in 0.0231720 seconds
> Cook 0 cooked order 43 in 0.0116730 seconds
> Cook 2 cooked order 47 in 0.0115860 seconds
> Delivery Person 1 delivered order 2 to location (9, 8) and Thanks Cook 1 and Moto 1
Delivery time: 5 seconds
> Delivery Person 5 delivered order 9 to location (2, 3) and Thanks Cook 0 and Moto 5
Delivery time: 9 seconds
> Delivery Person 4 delivered order 7 to location (7, 17) and Thanks Cook 2 and Moto 4
Delivery time: 3 seconds
> Delivery Person 3 delivered order 3 to location (3, 18) and Thanks Cook 2 and Moto 3
Delivery time: 7 seconds
> Delivery Person 1 delivered order 4 to location (0, 11) and Thanks Cook 3 and Moto 1
Delivery time: 4 seconds
> Delivery Person 0 delivered order 1 to location (1, 1) and Thanks Cook 0 and Moto 0
Delivery time: 3 seconds
> Delivery Person 2 delivered order 5 to location (7, 0) and Thanks Cook 1 and Moto 2
Delivery time: 3 seconds
> Delivery Person 4 delivered order 36 to location (8, 11) and Thanks Cook 3 and Moto 4
Delivery time: 8 seconds
> Delivery Person 0 delivered order 11 to location (4, 13) and Thanks Cook 0 and Moto 0
Delivery time: 4 seconds
> Delivery Person 1 delivered order 6 to location (6, 14) and Thanks Cook 3 and Moto 1
> Delivery Person 1 took orders: 57, 65, 23,
Delivery time: 7 seconds
> Delivery Person 2 delivered order 34 to location (2, 8) and Thanks Cook 1 and Moto 2
Delivery time: 5 seconds
> Delivery Person 3 delivered order 12 to location (5, 3) and Thanks Cook 1 and Moto 3
Delivery time: 8 seconds
> Delivery Person 0 delivered order 27 to location (9, 8) and Thanks Cook 3 and Moto 0
> Delivery Person 0 took orders: 24, 22, 21,
Delivery time: 8 seconds
> Delivery Person 5 delivered order 32 to location (4, 19) and Thanks Cook 2 and Moto 5
Delivery time: 7 seconds
> Delivery Person 2 delivered order 70 to location (1, 13) and Thanks Cook 3 and Moto 2
> Delivery Person 4 delivered order 55 to location (2, 2) and Thanks Cook 1 and Moto 4
> Delivery Person 2 took orders: 16, 66, 8,
> Delivery Person 4 took orders: 39, 48, 19,
Delivery time: 4 seconds
Delivery time: 7 seconds
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$ ./HungryVeryMuch 192.168.56.1 8080 70 10 20
PID 10123..
Sipariş verildi: ID 1, Konum (1, 1)
Sipariş verildi: ID 2, Konum (9, 8)
Sipariş verildi: ID 3, Konum (3, 18)
Sipariş verildi: ID 4, Konum (0, 11)
Sipariş verildi: ID 5, Konum (7, 0)
Sipariş verildi: ID 6, Konum (6, 14)
Sipariş verildi: ID 7, Konum (7, 17)
Sipariş verildi: ID 8, Konum (4, 6)
Sipariş verildi: ID 9, Konum (2, 3)
Sipariş verildi: ID 10, Konum (4, 19)
Sipariş verildi: ID 11, Konum (4, 13)
Sipariş verildi: ID 12, Konum (5, 3)
Sipariş verildi: ID 13, Konum (6, 14)
Sipariş verildi: ID 14, Konum (9, 13)
Sipariş verildi: ID 15, Konum (8, 16)
Sipariş verildi: ID 16, Konum (1, 11)
Sipariş verildi: ID 17, Konum (7, 2)
Sipariş verildi: ID 18, Konum (9, 10)
Sipariş verildi: ID 19, Konum (0, 11)
Sipariş verildi: ID 20, Konum (4, 9)
Sipariş verildi: ID 21, Konum (1, 2)
Sipariş verildi: ID 22, Konum (6, 11)
Sipariş verildi: ID 23, Konum (9, 2)
Sipariş verildi: ID 24, Konum (7, 2)
Sipariş verildi: ID 25, Konum (5, 14)
Sipariş verildi: ID 26, Konum (3, 2)
Sipariş verildi: ID 27, Konum (9, 9)
Sipariş verildi: ID 28, Konum (5, 18)
Sipariş verildi: ID 29, Konum (5, 6)
Sipariş verildi: ID 30, Konum (1, 13)
Sipariş verildi: ID 31, Konum (2, 2)
Sipariş verildi: ID 32, Konum (4, 19)
Sipariş verildi: ID 33, Konum (6, 16)
Sipariş verildi: ID 34, Konum (2, 8)
Sipariş verildi: ID 35, Konum (7, 8)
Sipariş verildi: ID 36, Konum (8, 11)
Sipariş verildi: ID 37, Konum (0, 14)
Sipariş verildi: ID 38, Konum (4, 9)
Sipariş verildi: ID 39, Konum (6, 3)
Sipariş verildi: ID 40, Konum (3, 14)
Sipariş verildi: ID 41, Konum (9, 17)
Sipariş verildi: ID 42, Konum (6, 9)
Sipariş verildi: ID 43, Konum (7, 13)
Sipariş verildi: ID 44, Konum (7, 12)
Sipariş verildi: ID 45, Konum (1, 18)
Sipariş verildi: ID 46, Konum (3, 14)
Sipariş verildi: ID 47, Konum (3, 14)
Sipariş verildi: ID 48, Konum (5, 1)
Sipariş verildi: ID 49, Konum (0, 7)
Sipariş verildi: ID 50, Konum (0, 9)
Sipariş verildi: ID 51, Konum (7, 0)
Sipariş verildi: ID 52, Konum (2, 17)
Sipariş verildi: ID 53, Konum (6, 18)
Sipariş verildi: ID 54, Konum (9, 14)
Sipariş verildi: ID 55, Konum (2, 2)
Sipariş verildi: ID 56, Konum (8, 11)
Sipariş verildi: ID 57, Konum (1, 16)
Sipariş verildi: ID 58, Konum (2, 1)
Sipariş verildi: ID 59, Konum (1, 11)
Sipariş verildi: ID 60, Konum (5, 13)
Sipariş verildi: ID 61, Konum (2, 3)
Sipariş verildi: ID 62, Konum (7, 15)
Sipariş verildi: ID 63, Konum (7, 12)
Sipariş verildi: ID 64, Konum (8, 19)
Sipariş verildi: ID 65, Konum (2, 18)
Sipariş verildi: ID 66, Konum (8, 11)
Sipariş verildi: ID 67, Konum (8, 13)
Sipariş verildi: ID 68, Konum (9, 4)
Sipariş verildi: ID 69, Konum (1, 8)
Sipariş verildi: ID 70, Konum (1, 13)
All orders completed
Tüm siparişler tamamlandı
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$

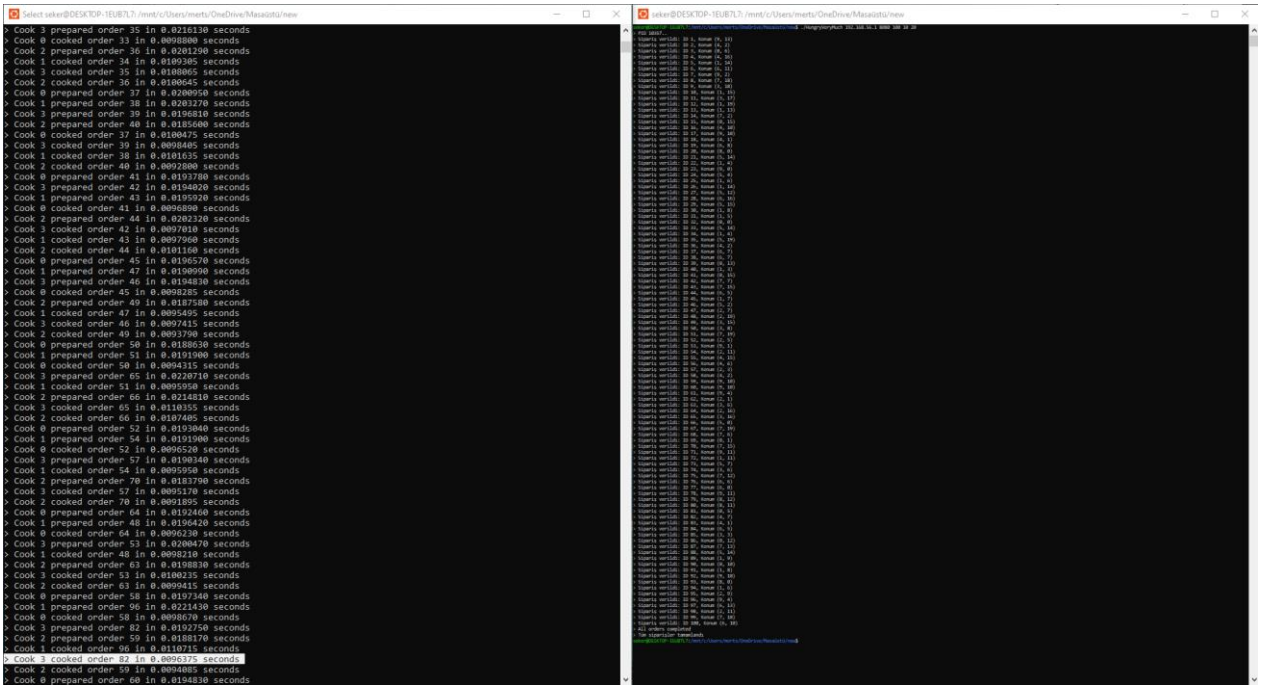

Select seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
Delivery time: 4 seconds
Delivery time: 7 seconds
> Delivery Person 1 delivered order 57 to location (1, 16) and Thanks Cook 0 and Moto 1
Delivery time: 8 seconds
> Delivery Person 2 delivered order 16 to location (1, 11) and Thanks Cook 3 and Moto 2
Delivery time: 3 seconds
> Delivery Person 3 delivered order 41 to location (9, 17) and Thanks Cook 0 and Moto 3
> Delivery Person 3 took orders: 54, 37, 63,
Delivery time: 5 seconds
> Delivery Person 5 delivered order 52 to location (2, 17) and Thanks Cook 2 and Moto 5
> Delivery Person 5 took orders: 64, 46, 51,
Delivery time: 9 seconds
> Delivery Person 0 delivered order 24 to location (7, 2) and Thanks Cook 1 and Moto 0
Delivery time: 1 seconds
> Delivery Person 0 delivered order 22 to location (6, 11) and Thanks Cook 0 and Moto 0
Delivery time: 8 seconds
> Delivery Person 4 delivered order 39 to location (6, 3) and Thanks Cook 2 and Moto 4
> Delivery Person 2 delivered order 66 to location (8, 11) and Thanks Cook 1 and Moto 2
Delivery time: 9 seconds
Delivery time: 4 seconds
> Delivery Person 1 delivered order 65 to location (2, 18) and Thanks Cook 2 and Moto 1
Delivery time: 8 seconds
> Delivery Person 3 delivered order 54 to location (9, 14) and Thanks Cook 0 and Moto 3
Delivery time: 6 seconds
> Delivery Person 2 delivered order 8 to location (4, 6) and Thanks Cook 0 and Moto 2
> Delivery Person 2 took orders: 18, 30, 69,
Delivery time: 4 seconds
> Delivery Person 5 delivered order 64 to location (8, 19) and Thanks Cook 0 and Moto 5
Delivery time: 4 seconds
> Delivery Person 0 delivered order 21 to location (1, 2) and Thanks Cook 2 and Moto 0
> Delivery Person 0 took orders: 59, 56, 28,
Delivery time: 4 seconds
> Delivery Person 2 delivered order 18 to location (9, 10) and Thanks Cook 3 and Moto 2
Delivery time: 5 seconds
> Delivery Person 3 delivered order 37 to location (0, 14) and Thanks Cook 2 and Moto 3
Delivery time: 2 seconds
> Delivery Person 4 delivered order 48 to location (5, 1) and Thanks Cook 3 and Moto 4
Delivery time: 5 seconds
> Delivery Person 1 delivered order 23 to location (9, 2) and Thanks Cook 3 and Moto 1
> Delivery Person 1 took orders: 67, 62, 40,
Delivery time: 4 seconds
> Delivery Person 3 delivered order 63 to location (7, 12) and Thanks Cook 3 and Moto 3
> Delivery Person 3 took orders: 25, 29, 49,
Delivery time: 4 seconds
> Delivery Person 5 delivered order 46 to location (7, 14) and Thanks Cook 1 and Moto 5
Delivery time: 10 seconds
> Delivery Person 0 delivered order 59 to location (1, 11) and Thanks Cook 2 and Moto 0
Delivery time: 3 seconds
> Delivery Person 2 delivered order 30 to location (1, 13) and Thanks Cook 0 and Moto 2
Delivery time: 4 seconds
> Delivery Person 4 delivered order 19 to location (0, 11) and Thanks Cook 1 and Moto 4
> Delivery Person 4 took orders: 50, 60, 10,
Delivery time: 5 seconds
> Delivery Person 1 delivered order 67 to location (8, 13) and Thanks Cook 3 and Moto 1
Delivery time: 5 seconds
> Delivery Person 0 delivered order 56 to location (8, 11) and Thanks Cook 0 and Moto 0
Delivery time: 8 seconds
> Delivery Person 3 delivered order 25 to location (5, 14) and Thanks Cook 2 and Moto 3
Delivery time: 4 seconds
> Delivery Person 2 delivered order 69 to location (1, 8) and Thanks Cook 1 and Moto 2
> Delivery Person 2 took orders: 44, 33, 26,
Delivery time: 2 seconds
> Delivery Person 3 delivered order 29 to location (5, 6) and Thanks Cook 3 and Moto 3
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$ ./HungryVeryMuch 192.168.56.1 8888 70 10 20
PID 10123.
Siparis verildi: ID 1, Konum (1, 1)
Siparis verildi: ID 2, Konum (9, 8)
Siparis verildi: ID 3, Konum (3, 18)
Siparis verildi: ID 4, Konum (0, 11)
Siparis verildi: ID 5, Konum (7, 0)
Siparis verildi: ID 6, Konum (6, 14)
Siparis verildi: ID 7, Konum (7, 17)
Siparis verildi: ID 8, Konum (4, 6)
Siparis verildi: ID 9, Konum (2, 3)
Siparis verildi: ID 10, Konum (4, 19)
Siparis verildi: ID 11, Konum (4, 13)
Siparis verildi: ID 12, Konum (5, 3)
Siparis verildi: ID 13, Konum (6, 14)
Siparis verildi: ID 14, Konum (9, 13)
Siparis verildi: ID 15, Konum (8, 16)
Siparis verildi: ID 16, Konum (1, 11)
Siparis verildi: ID 17, Konum (7, 2)
Siparis verildi: ID 18, Konum (9, 10)
Siparis verildi: ID 19, Konum (0, 11)
Siparis verildi: ID 20, Konum (4, 9)
Siparis verildi: ID 21, Konum (1, 2)
Siparis verildi: ID 22, Konum (6, 11)
Siparis verildi: ID 23, Konum (9, 2)
Siparis verildi: ID 24, Konum (7, 2)
Siparis verildi: ID 25, Konum (5, 14)
Siparis verildi: ID 26, Konum (3, 2)
Siparis verildi: ID 27, Konum (9, 8)
Siparis verildi: ID 28, Konum (5, 18)
Siparis verildi: ID 29, Konum (5, 6)
Siparis verildi: ID 30, Konum (1, 13)
Siparis verildi: ID 31, Konum (2, 2)
Siparis verildi: ID 32, Konum (4, 19)
Siparis verildi: ID 33, Konum (6, 16)
Siparis verildi: ID 34, Konum (2, 8)
Siparis verildi: ID 35, Konum (7, 8)
Siparis verildi: ID 36, Konum (8, 11)
Siparis verildi: ID 37, Konum (0, 14)
Siparis verildi: ID 38, Konum (4, 9)
Siparis verildi: ID 39, Konum (6, 3)
Siparis verildi: ID 40, Konum (3, 14)
Siparis verildi: ID 41, Konum (9, 17)
Siparis verildi: ID 42, Konum (6, 9)
Siparis verildi: ID 43, Konum (7, 13)
Siparis verildi: ID 44, Konum (7, 12)
Siparis verildi: ID 45, Konum (1, 18)
Siparis verildi: ID 46, Konum (7, 14)
Siparis verildi: ID 47, Konum (3, 14)
Siparis verildi: ID 48, Konum (5, 1)
Siparis verildi: ID 49, Konum (0, 7)
Siparis verildi: ID 50, Konum (0, 9)
Siparis verildi: ID 51, Konum (7, 0)
Siparis verildi: ID 52, Konum (2, 17)
Siparis verildi: ID 53, Konum (6, 18)
Siparis verildi: ID 54, Konum (9, 14)
Siparis verildi: ID 55, Konum (2, 2)
Siparis verildi: ID 56, Konum (8, 11)
Siparis verildi: ID 57, Konum (1, 16)
Siparis verildi: ID 58, Konum (2, 1)
Siparis verildi: ID 59, Konum (1, 11)
Siparis verildi: ID 60, Konum (5, 13)
Siparis verildi: ID 61, Konum (2, 3)
Siparis verildi: ID 62, Konum (7, 15)
Siparis verildi: ID 63, Konum (7, 12)
Siparis verildi: ID 64, Konum (8, 19)
Siparis verildi: ID 65, Konum (2, 18)
Siparis verildi: ID 66, Konum (8, 11)
Siparis verildi: ID 67, Konum (8, 13)
Siparis verildi: ID 68, Konum (9, 4)
Siparis verildi: ID 69, Konum (1, 8)
Siparis verildi: ID 70, Konum (1, 13)
All orders completed
Tüm siparişler tamamlandı
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$

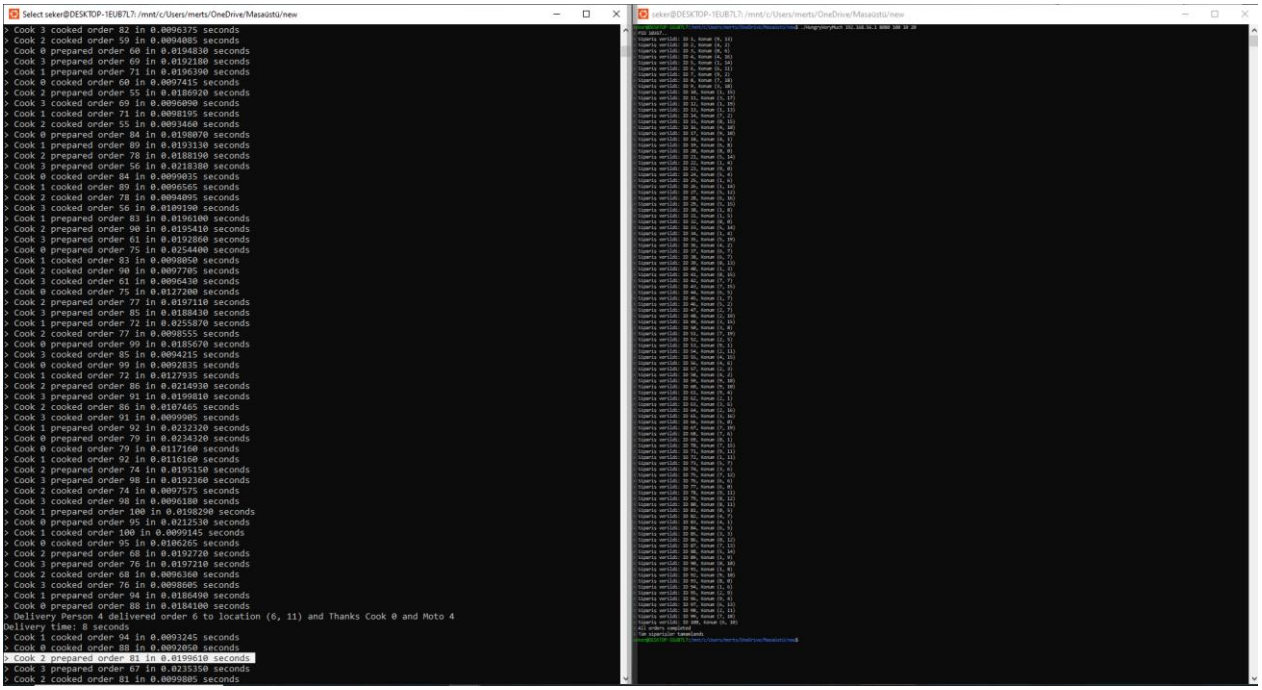

Select seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
> Delivery Person 2 took orders: 44, 33, 26,
Delivery time: 2 seconds
> Delivery Person 3 delivered order 29 to location (5, 6) and Thanks Cook 3 and Moto 3
Delivery time: 5 seconds
> Delivery Person 4 delivered order 50 to location (0, 9) and Thanks Cook 0 and Moto 4
Delivery time: 3 seconds
> Delivery Person 2 delivered order 44 to location (7, 12) and Thanks Cook 3 and Moto 2
Delivery time: 6 seconds
> Delivery Person 1 delivered order 62 to location (7, 15) and Thanks Cook 1 and Moto 1
Delivery time: 4 seconds
> Delivery Person 5 delivered order 51 to location (7, 0) and Thanks Cook 2 and Moto 5
> Delivery Person 5 took orders: 35, 13, 31,
Delivery time: 2 seconds
> Delivery Person 4 delivered order 60 to location (5, 13) and Thanks Cook 2 and Moto 4
Delivery time: 9 seconds
> Delivery Person 0 delivered order 28 to location (5, 18) and Thanks Cook 2 and Moto 0
> Delivery Person 0 took orders: 15, 42, 14,
Delivery time: 6 seconds
> Delivery Person 5 delivered order 35 to location (7, 8) and Thanks Cook 0 and Moto 5
Delivery time: 4 seconds
> Delivery Person 1 delivered order 40 to location (3, 14) and Thanks Cook 0 and Moto 1
> Delivery Person 1 took orders: 20, 38, 45,
Delivery time: 1 seconds
> Delivery Person 3 delivered order 49 to location (0, 7) and Thanks Cook 1 and Moto 3
> Delivery Person 3 took orders: 58, 61, 17,
Delivery time: 9 seconds
> Delivery Person 1 delivered order 20 to location (4, 9) and Thanks Cook 3 and Moto 1
Delivery time: 1 seconds
> Delivery Person 2 delivered order 33 to location (6, 16) and Thanks Cook 3 and Moto 2
Delivery time: 8 seconds
> Delivery Person 1 delivered order 38 to location (4, 9) and Thanks Cook 0 and Moto 1
Delivery time: 8 seconds
> Delivery Person 5 delivered order 13 to location (6, 14) and Thanks Cook 2 and Moto 5
Delivery time: 8 seconds
> Delivery Person 0 delivered order 15 to location (8, 16) and Thanks Cook 3 and Moto 0
Delivery time: 1 seconds
> Delivery Person 0 delivered order 42 to location (6, 9) and Thanks Cook 1 and Moto 0
Delivery time: 5 seconds
> Delivery Person 4 delivered order 10 to location (4, 19) and Thanks Cook 1 and Moto 4
> Delivery Person 4 took orders: 53, 68, 43,
Delivery time: 8 seconds
> Delivery Person 3 delivered order 58 to location (2, 1) and Thanks Cook 2 and Moto 3
Delivery time: 7 seconds
> Delivery Person 2 delivered order 26 to location (3, 2) and Thanks Cook 1 and Moto 2
> Delivery Person 2 took orders: 47,
Delivery time: 4 seconds
> Delivery Person 1 delivered order 45 to location (1, 18) and Thanks Cook 1 and Moto 1
> Delivery Person 0 delivered order 14 to location (9, 13) and Thanks Cook 2 and Moto 0
> Delivery Person 5 delivered order 31 to location (2, 2) and Thanks Cook 0 and Moto 5
> Delivery Person 2 delivered order 47 to location (3, 14) and Thanks Cook 2 and Moto 2
> Delivery Person 4 delivered order 53 to location (6, 18) and Thanks Cook 0 and Moto 4
Delivery time: 7 seconds
> Delivery Person 3 delivered order 61 to location (2, 3) and Thanks Cook 3 and Moto 3
Delivery time: 8 seconds
> Delivery Person 4 delivered order 68 to location (9, 4) and Thanks Cook 2 and Moto 4
Delivery time: 3 seconds
> Delivery Person 3 delivered order 17 to location (7, 2) and Thanks Cook 1 and Moto 3
> Delivery Person 4 delivered order 43 to location (7, 13) and Thanks Cook 0 and Moto 4
> Most hardworking cook: Cook 0 with 18 orders prepared and cooked
> Most hardworking delivery person: Delivery Person 2 with 13 deliveries
> done serving client @ XXX PID 10123
> active waiting for connections
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$ ./HungryVeryMuch 192.168.56.1 8888 70 10 20
PID 10123.
Siparis verildi: ID 1, Konum (1, 1)
Siparis verildi: ID 2, Konum (9, 8)
Siparis verildi: ID 3, Konum (3, 18)
Siparis verildi: ID 4, Konum (0, 11)
Siparis verildi: ID 5, Konum (7, 0)
Siparis verildi: ID 6, Konum (6, 14)
Siparis verildi: ID 7, Konum (7, 17)
Siparis verildi: ID 8, Konum (4, 6)
Siparis verildi: ID 9, Konum (2, 3)
Siparis verildi: ID 10, Konum (4, 19)
Siparis verildi: ID 11, Konum (4, 13)
Siparis verildi: ID 12, Konum (5, 3)
Siparis verildi: ID 13, Konum (6, 14)
Siparis verildi: ID 14, Konum (9, 13)
Siparis verildi: ID 15, Konum (8, 16)
Siparis verildi: ID 16, Konum (1, 11)
Siparis verildi: ID 17, Konum (7, 2)
Siparis verildi: ID 18, Konum (9, 10)
Siparis verildi: ID 19, Konum (0, 11)
Siparis verildi: ID 20, Konum (4, 9)
Siparis verildi: ID 21, Konum (1, 2)
Siparis verildi: ID 22, Konum (6, 11)
Siparis verildi: ID 23, Konum (9, 2)
Siparis verildi: ID 24, Konum (7, 2)
Siparis verildi: ID 25, Konum (5, 14)
Siparis verildi: ID 26, Konum (3, 2)
Siparis verildi: ID 27, Konum (9, 8)
Siparis verildi: ID 28, Konum (5, 18)
Siparis verildi: ID 29, Konum (5, 6)
Siparis verildi: ID 30, Konum (1, 13)
Siparis verildi: ID 31, Konum (2, 2)
Siparis verildi: ID 32, Konum (4, 19)
Siparis verildi: ID 33, Konum (6, 16)
Siparis verildi: ID 34, Konum (2, 8)
Siparis verildi: ID 35, Konum (7, 8)
Siparis verildi: ID 36, Konum (8, 11)
Siparis verildi: ID 37, Konum (0, 14)
Siparis verildi: ID 38, Konum (4, 9)
Siparis verildi: ID 39, Konum (6, 3)
Siparis verildi: ID 40, Konum (3, 14)
Siparis verildi: ID 41, Konum (9, 17)
Siparis verildi: ID 42, Konum (6, 9)
Siparis verildi: ID 43, Konum (7, 13)
Siparis verildi: ID 44, Konum (7, 12)
Siparis verildi: ID 45, Konum (1, 18)
Siparis verildi: ID 46, Konum (7, 14)
Siparis verildi: ID 47, Konum (3, 14)
Siparis verildi: ID 48, Konum (5, 1)
Siparis verildi: ID 49, Konum (0, 7)
Siparis verildi: ID 50, Konum (0, 9)
Siparis verildi: ID 51, Konum (7, 0)
Siparis verildi: ID 52, Konum (2, 17)
Siparis verildi: ID 53, Konum (6, 18)
Siparis verildi: ID 54, Konum (9, 14)
Siparis verildi: ID 55, Konum (2, 2)
Siparis verildi: ID 56, Konum (8, 11)
Siparis verildi: ID 57, Konum (1, 16)
Siparis verildi: ID 58, Konum (2, 1)
Siparis verildi: ID 59, Konum (1, 11)
Siparis verildi: ID 60, Konum (5, 13)
Siparis verildi: ID 61, Konum (2, 3)
Siparis verildi: ID 62, Konum (7, 15)
Siparis verildi: ID 63, Konum (7, 12)
Siparis verildi: ID 64, Konum (8, 19)
Siparis verildi: ID 65, Konum (2, 18)
Siparis verildi: ID 66, Konum (8, 11)
Siparis verildi: ID 67, Konum (8, 13)
Siparis verildi: ID 68, Konum (9, 4)
Siparis verildi: ID 69, Konum (1, 8)
Siparis verildi: ID 70, Konum (1, 13)
All orders completed
Tüm siparişler tamamlandı
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$

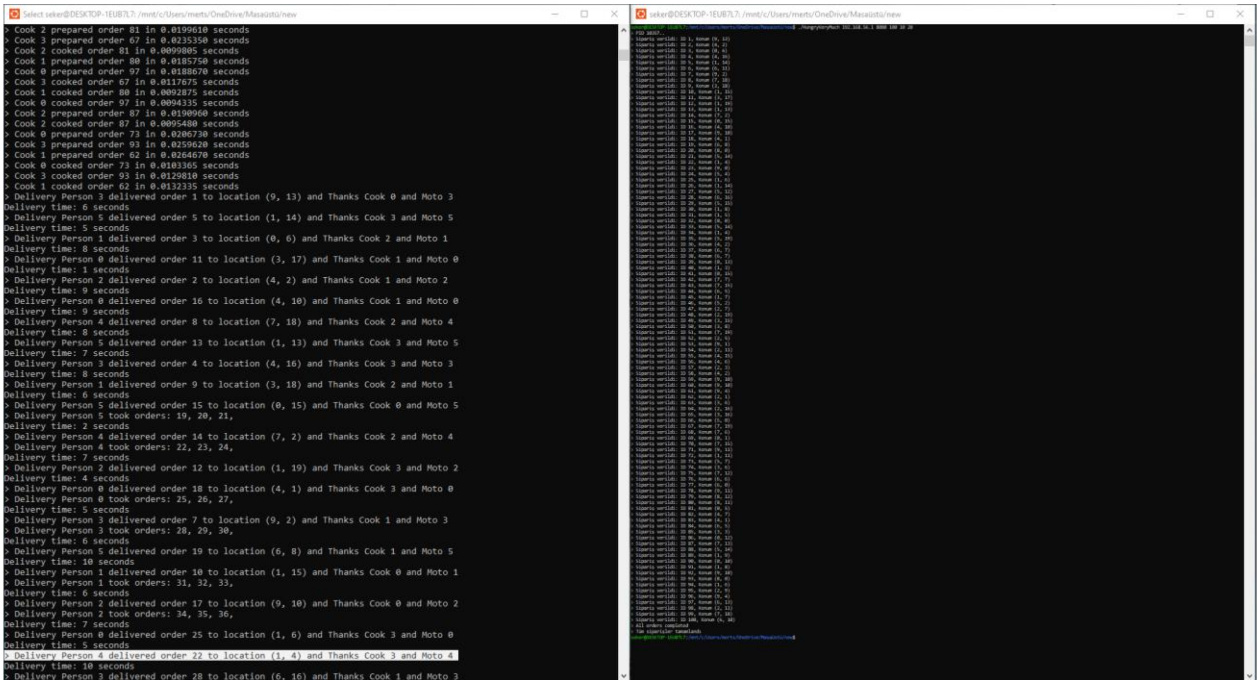
5.3. Customer number is 100 with ctrl-c signal:

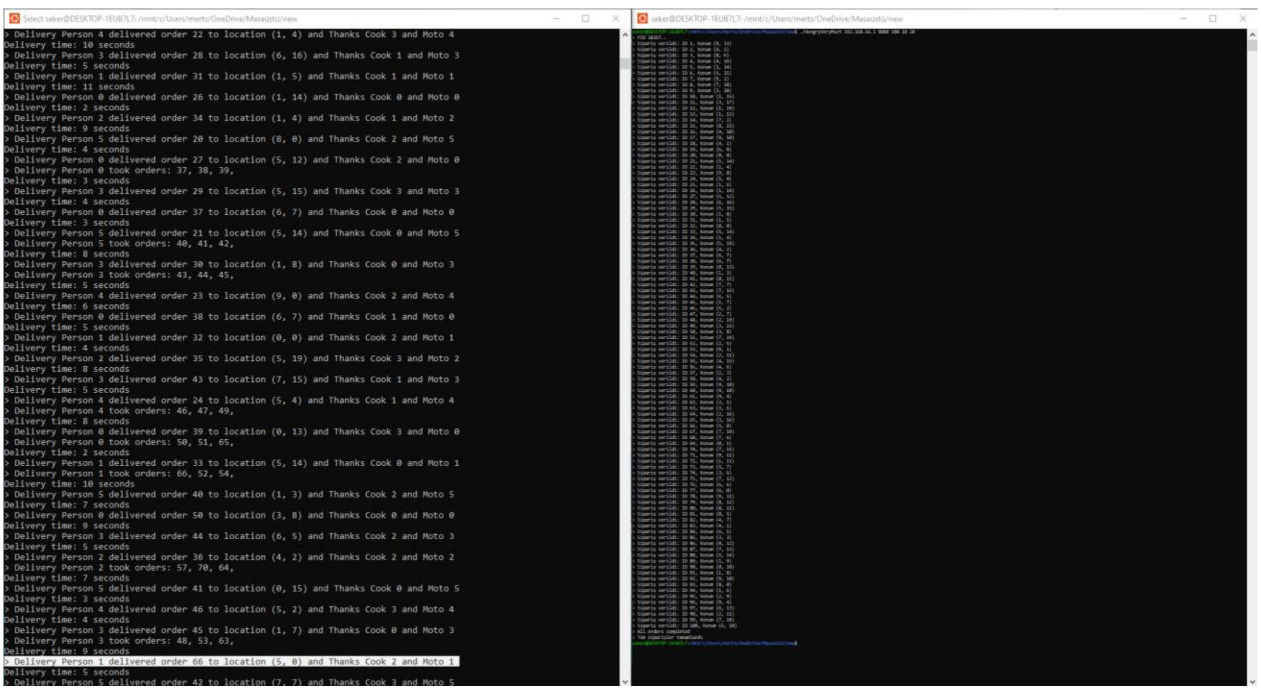





Select seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
> Cook 3 prepared order 35 in 0.0216130 seconds
> Cook 0 cooked order 33 in 0.0098800 seconds
> Cook 2 prepared order 36 in 0.0201290 seconds
> Cook 1 cooked order 34 in 0.0109305 seconds
> Cook 3 cooked order 35 in 0.0108065 seconds
> Cook 2 cooked order 36 in 0.0100645 seconds
> Cook 0 prepared order 37 in 0.0200950 seconds
> Cook 1 prepared order 38 in 0.0203270 seconds
> Cook 3 prepared order 39 in 0.0196810 seconds
> Cook 2 prepared order 40 in 0.0185600 seconds
> Cook 0 cooked order 37 in 0.0100475 seconds
> Cook 3 cooked order 39 in 0.0098405 seconds
> Cook 1 cooked order 38 in 0.0101635 seconds
> Cook 2 cooked order 40 in 0.0092800 seconds
> Cook 0 prepared order 41 in 0.0193780 seconds
> Cook 3 prepared order 42 in 0.0194020 seconds
> Cook 1 prepared order 43 in 0.0195920 seconds
> Cook 0 cooked order 41 in 0.0096890 seconds
> Cook 2 prepared order 44 in 0.0202320 seconds
> Cook 3 cooked order 42 in 0.0097010 seconds
> Cook 1 cooked order 43 in 0.0097960 seconds
> Cook 2 cooked order 44 in 0.0101160 seconds
> Cook 0 prepared order 45 in 0.0196570 seconds
> Cook 1 prepared order 47 in 0.0190990 seconds
> Cook 3 prepared order 46 in 0.0194830 seconds
> Cook 0 cooked order 45 in 0.0098285 seconds
> Cook 2 prepared order 49 in 0.0187580 seconds
> Cook 1 cooked order 47 in 0.0095495 seconds
> Cook 3 cooked order 46 in 0.0097415 seconds
> Cook 2 cooked order 49 in 0.0093790 seconds
> Cook 0 prepared order 50 in 0.0188630 seconds
> Cook 1 prepared order 51 in 0.0191900 seconds
> Cook 0 cooked order 50 in 0.0094315 seconds
> Cook 3 prepared order 65 in 0.0220710 seconds
> Cook 1 cooked order 51 in 0.0095950 seconds
> Cook 2 prepared order 66 in 0.0214810 seconds
> Cook 3 cooked order 65 in 0.0110355 seconds
> Cook 2 cooked order 66 in 0.0107405 seconds
> Cook 0 prepared order 52 in 0.0193040 seconds
> Cook 1 prepared order 54 in 0.0191900 seconds
> Cook 0 cooked order 52 in 0.0096520 seconds
> Cook 3 prepared order 57 in 0.0190340 seconds
> Cook 1 cooked order 54 in 0.0095950 seconds
> Cook 2 prepared order 70 in 0.0183790 seconds
> Cook 3 cooked order 57 in 0.0095170 seconds
> Cook 2 cooked order 70 in 0.0091895 seconds
> Cook 0 prepared order 64 in 0.0192460 seconds
> Cook 1 prepared order 48 in 0.0196420 seconds
> Cook 0 cooked order 64 in 0.0096230 seconds
> Cook 3 prepared order 53 in 0.0200470 seconds
> Cook 1 cooked order 48 in 0.0098210 seconds
> Cook 2 prepared order 63 in 0.0198830 seconds
> Cook 3 cooked order 53 in 0.0100235 seconds
> Cook 2 cooked order 63 in 0.0099415 seconds
> Cook 0 prepared order 58 in 0.0197340 seconds
> Cook 1 prepared order 96 in 0.0221430 seconds
> Cook 0 cooked order 58 in 0.0098670 seconds
> Cook 3 prepared order 82 in 0.0102750 seconds
> Cook 2 prepared order 59 in 0.0188170 seconds
> Cook 1 cooked order 96 in 0.0110715 seconds
> Cook 3 cooked order 82 in 0.0096375 seconds
> Cook 2 cooked order 59 in 0.0094085 seconds
> Cook 0 prepared order 60 in 0.0194830 seconds


Select seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
> Cook 3 cooked order 82 in 0.0096375 seconds
> Cook 2 cooked order 59 in 0.0094085 seconds
> Cook 0 prepared order 60 in 0.0194830 seconds
> Cook 3 prepared order 69 in 0.0192180 seconds
> Cook 1 prepared order 71 in 0.0196390 seconds
> Cook 0 cooked order 60 in 0.0097415 seconds
> Cook 2 prepared order 55 in 0.0186920 seconds
> Cook 3 cooked order 69 in 0.0096090 seconds
> Cook 1 cooked order 71 in 0.0098195 seconds
> Cook 2 cooked order 55 in 0.0093460 seconds
> Cook 0 prepared order 84 in 0.0198070 seconds
> Cook 1 prepared order 89 in 0.0193130 seconds
> Cook 2 prepared order 78 in 0.0188190 seconds
> Cook 3 prepared order 56 in 0.0218380 seconds
> Cook 0 cooked order 84 in 0.0099835 seconds
> Cook 1 cooked order 89 in 0.0096565 seconds
> Cook 2 cooked order 78 in 0.0094095 seconds
> Cook 3 cooked order 56 in 0.0109190 seconds
> Cook 1 prepared order 83 in 0.0196100 seconds
> Cook 2 prepared order 90 in 0.0195410 seconds
> Cook 3 prepared order 61 in 0.0192860 seconds
> Cook 0 prepared order 75 in 0.0254400 seconds
> Cook 1 cooked order 83 in 0.0098050 seconds
> Cook 2 cooked order 90 in 0.0097705 seconds
> Cook 3 cooked order 61 in 0.0096430 seconds
> Cook 0 cooked order 75 in 0.0127200 seconds
> Cook 2 prepared order 77 in 0.0197110 seconds
> Cook 3 prepared order 85 in 0.0188430 seconds
> Cook 1 prepared order 72 in 0.0255870 seconds
> Cook 2 cooked order 77 in 0.0098555 seconds
> Cook 0 prepared order 99 in 0.0185670 seconds
> Cook 3 cooked order 85 in 0.0094215 seconds
> Cook 0 cooked order 99 in 0.0092835 seconds
> Cook 1 cooked order 72 in 0.0127935 seconds
> Cook 2 prepared order 86 in 0.0214930 seconds
> Cook 3 prepared order 91 in 0.0199810 seconds
> Cook 2 cooked order 86 in 0.0107465 seconds
> Cook 3 cooked order 91 in 0.0099905 seconds
> Cook 1 prepared order 92 in 0.0232320 seconds
> Cook 0 prepared order 79 in 0.0234320 seconds
> Cook 0 cooked order 79 in 0.0117160 seconds
> Cook 1 cooked order 92 in 0.0116160 seconds
> Cook 2 prepared order 74 in 0.0195150 seconds
> Cook 3 prepared order 98 in 0.0192360 seconds
> Cook 2 cooked order 74 in 0.0097575 seconds
> Cook 3 cooked order 98 in 0.0096180 seconds
> Cook 1 prepared order 100 in 0.0198290 seconds
> Cook 0 prepared order 95 in 0.0212530 seconds
> Cook 1 cooked order 100 in 0.0099145 seconds
> Cook 0 cooked order 95 in 0.0106265 seconds
> Cook 2 prepared order 68 in 0.0192720 seconds
> Cook 3 prepared order 76 in 0.0197210 seconds
> Cook 2 cooked order 68 in 0.0096360 seconds
> Cook 3 cooked order 76 in 0.0098605 seconds
> Cook 1 prepared order 94 in 0.0186490 seconds
> Cook 0 prepared order 88 in 0.0184100 seconds
> Delivery Person 4 delivered order 6 to location (6, 11) and Thanks Cook 0 and Moto 4
Delivery time: 8 seconds
> Cook 1 cooked order 94 in 0.0093245 seconds
> Cook 0 cooked order 88 in 0.0092050 seconds
> Cook 2 prepared order 81 in 0.0199610 seconds
> Cook 3 prepared order 67 in 0.0215150 seconds
> Cook 2 cooked order 81 in 0.0099805 seconds


Select seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
> Cook 2 prepared order 81 in 0.0199610 seconds
> Cook 3 prepared order 67 in 0.0235350 seconds
> Cook 2 cooked order 81 in 0.0099805 seconds
> Cook 1 prepared order 80 in 0.0185750 seconds
> Cook 0 prepared order 97 in 0.0188670 seconds
> Cook 3 cooked order 67 in 0.0117675 seconds
> Cook 1 cooked order 80 in 0.0092875 seconds
> Cook 0 cooked order 97 in 0.0094335 seconds
> Cook 2 prepared order 87 in 0.0190960 seconds
> Cook 2 cooked order 87 in 0.0095480 seconds
> Cook 0 prepared order 73 in 0.0206730 seconds
> Cook 3 prepared order 93 in 0.0259620 seconds
> Cook 1 prepared order 62 in 0.0264670 seconds
> Cook 0 cooked order 73 in 0.0103365 seconds
> Cook 3 cooked order 93 in 0.0129810 seconds
> Cook 1 cooked order 62 in 0.0132335 seconds
> Delivery Person 3 delivered order 1 to location (9, 13) and Thanks Cook 0 and Moto 3
Delivery time: 6 seconds
> Delivery Person 5 delivered order 5 to location (1, 14) and Thanks Cook 3 and Moto 5
Delivery time: 5 seconds
> Delivery Person 1 delivered order 3 to location (0, 6) and Thanks Cook 2 and Moto 1
Delivery time: 8 seconds
> Delivery Person 0 delivered order 11 to location (3, 17) and Thanks Cook 1 and Moto 0
Delivery time: 1 seconds
> Delivery Person 2 delivered order 2 to location (4, 2) and Thanks Cook 1 and Moto 2
Delivery time: 9 seconds
> Delivery Person 0 delivered order 16 to location (4, 10) and Thanks Cook 1 and Moto 0
Delivery time: 9 seconds
> Delivery Person 4 delivered order 8 to location (7, 18) and Thanks Cook 2 and Moto 4
Delivery time: 8 seconds
> Delivery Person 5 delivered order 13 to location (1, 13) and Thanks Cook 3 and Moto 5
Delivery time: 7 seconds
> Delivery Person 3 delivered order 4 to location (4, 16) and Thanks Cook 3 and Moto 3
Delivery time: 8 seconds
> Delivery Person 1 delivered order 9 to location (3, 18) and Thanks Cook 2 and Moto 1
Delivery time: 6 seconds
> Delivery Person 5 delivered order 15 to location (0, 15) and Thanks Cook 0 and Moto 5
> Delivery Person 5 took orders: 19, 20, 21,
Delivery time: 2 seconds
> Delivery Person 4 delivered order 14 to location (7, 2) and Thanks Cook 2 and Moto 4
> Delivery Person 4 took orders: 22, 23, 24,
Delivery time: 7 seconds
> Delivery Person 2 delivered order 12 to location (1, 19) and Thanks Cook 3 and Moto 2
Delivery time: 4 seconds
> Delivery Person 0 delivered order 18 to location (4, 1) and Thanks Cook 3 and Moto 0
> Delivery Person 0 took orders: 25, 26, 27,
Delivery time: 5 seconds
> Delivery Person 3 delivered order 7 to location (9, 2) and Thanks Cook 1 and Moto 3
> Delivery Person 3 took orders: 28, 29, 30,
Delivery time: 6 seconds
> Delivery Person 5 delivered order 19 to location (6, 8) and Thanks Cook 1 and Moto 5
Delivery time: 10 seconds
> Delivery Person 1 delivered order 10 to location (1, 15) and Thanks Cook 0 and Moto 1
> Delivery Person 1 took orders: 31, 32, 33,
Delivery time: 6 seconds
> Delivery Person 2 delivered order 17 to location (9, 10) and Thanks Cook 0 and Moto 2
> Delivery Person 2 took orders: 34, 35, 36,
Delivery time: 7 seconds
> Delivery Person 0 delivered order 25 to location (1, 6) and Thanks Cook 3 and Moto 0
Delivery time: 5 seconds
> Delivery Person 4 delivered order 22 to location (1, 4) and Thanks Cook 3 and Moto 4
Delivery time: 10 seconds
seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new


Select seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
> Delivery Person 4 delivered order 22 to location (1, 4) and Thanks Cook 3 and Moto 4
Delivery time: 10 seconds
> Delivery Person 3 delivered order 28 to location (6, 16) and Thanks Cook 1 and Moto 3
Delivery time: 5 seconds
> Delivery Person 1 delivered order 31 to location (1, 5) and Thanks Cook 1 and Moto 1
Delivery time: 11 seconds
> Delivery Person 0 delivered order 26 to location (1, 14) and Thanks Cook 0 and Moto 0
Delivery time: 2 seconds
> Delivery Person 2 delivered order 34 to location (1, 4) and Thanks Cook 1 and Moto 2
Delivery time: 9 seconds
> Delivery Person 5 delivered order 20 to location (8, 0) and Thanks Cook 2 and Moto 5
Delivery time: 4 seconds
> Delivery Person 0 delivered order 27 to location (5, 12) and Thanks Cook 2 and Moto 0
> Delivery Person 0 took orders: 37, 38, 39,
Delivery time: 3 seconds
> Delivery Person 3 delivered order 29 to location (5, 15) and Thanks Cook 3 and Moto 3
Delivery time: 4 seconds
> Delivery Person 0 delivered order 37 to location (6, 7) and Thanks Cook 0 and Moto 0
Delivery time: 3 seconds
> Delivery Person 5 delivered order 21 to location (5, 14) and Thanks Cook 0 and Moto 5
> Delivery Person 5 took orders: 40, 41, 42,
Delivery time: 8 seconds
> Delivery Person 3 delivered order 30 to location (1, 8) and Thanks Cook 0 and Moto 3
> Delivery Person 3 took orders: 43, 44, 45,
Delivery time: 5 seconds
> Delivery Person 4 delivered order 23 to location (9, 0) and Thanks Cook 2 and Moto 4
Delivery time: 6 seconds
> Delivery Person 0 delivered order 38 to location (6, 7) and Thanks Cook 1 and Moto 0
Delivery time: 5 seconds
> Delivery Person 1 delivered order 32 to location (0, 0) and Thanks Cook 2 and Moto 1
Delivery time: 4 seconds
> Delivery Person 2 delivered order 35 to location (5, 19) and Thanks Cook 3 and Moto 2
Delivery time: 8 seconds
> Delivery Person 3 delivered order 43 to location (7, 15) and Thanks Cook 1 and Moto 3
Delivery time: 5 seconds
> Delivery Person 4 delivered order 24 to location (5, 4) and Thanks Cook 1 and Moto 4
> Delivery Person 4 took orders: 46, 47, 49,
Delivery time: 8 seconds
> Delivery Person 0 delivered order 39 to location (0, 13) and Thanks Cook 3 and Moto 0
> Delivery Person 0 took orders: 50, 51, 65,
Delivery time: 2 seconds
> Delivery Person 1 delivered order 33 to location (5, 14) and Thanks Cook 0 and Moto 1
> Delivery Person 1 took orders: 66, 52, 54,
Delivery time: 10 seconds
> Delivery Person 5 delivered order 40 to location (1, 3) and Thanks Cook 2 and Moto 5
Delivery time: 7 seconds
> Delivery Person 0 delivered order 50 to location (3, 8) and Thanks Cook 0 and Moto 0
Delivery time: 9 seconds
> Delivery Person 3 delivered order 44 to location (6, 5) and Thanks Cook 2 and Moto 3
Delivery time: 5 seconds
> Delivery Person 2 delivered order 36 to location (4, 2) and Thanks Cook 2 and Moto 2
> Delivery Person 2 took orders: 57, 70, 64,
Delivery time: 7 seconds
> Delivery Person 5 delivered order 41 to location (0, 15) and Thanks Cook 0 and Moto 5
Delivery time: 3 seconds
> Delivery Person 4 delivered order 46 to location (5, 2) and Thanks Cook 3 and Moto 4
Delivery time: 4 seconds
> Delivery Person 3 delivered order 45 to location (1, 7) and Thanks Cook 0 and Moto 3
> Delivery Person 3 took orders: 48, 53, 63,
Delivery time: 9 seconds
> Delivery Person 1 delivered order 66 to location (5, 0) and Thanks Cook 2 and Moto 1
Delivery time: 5 seconds
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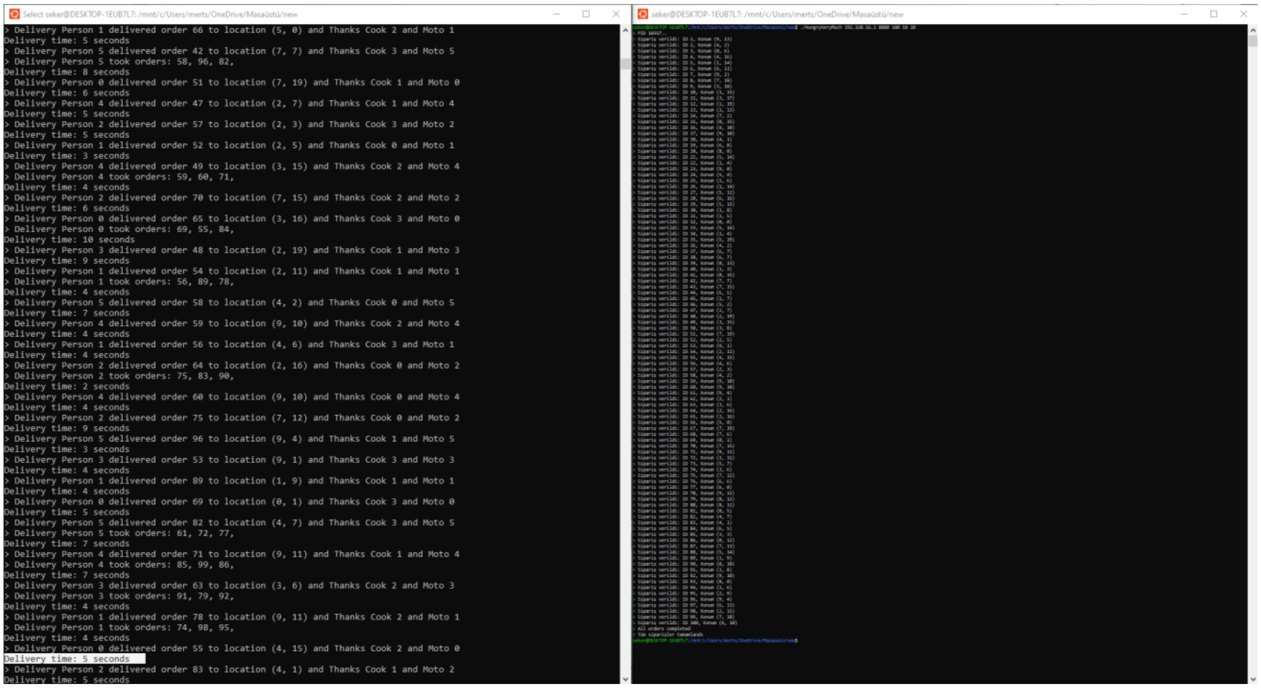
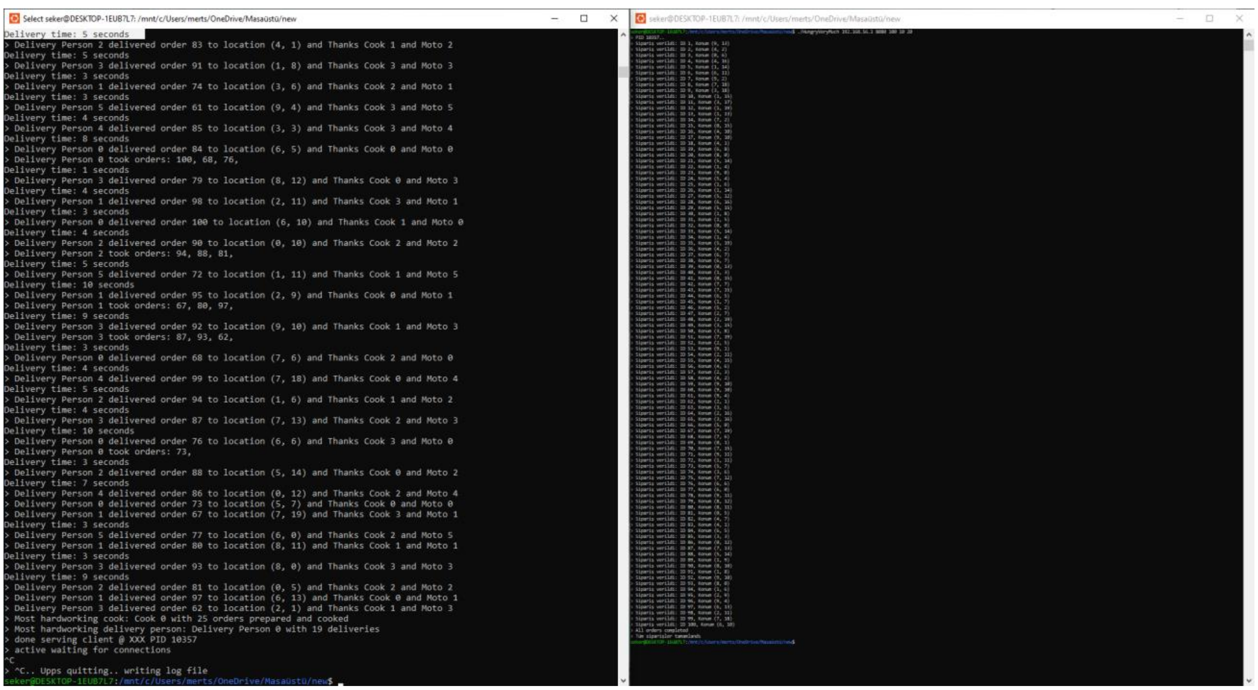

Select seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
> Delivery Person 1 delivered order 66 to location (5, 0) and Thanks Cook 2 and Moto 1
Delivery time: 5 seconds
> Delivery Person 5 delivered order 42 to location (7, 7) and Thanks Cook 3 and Moto 5
> Delivery Person 5 took orders: 58, 96, 82,
Delivery time: 8 seconds
> Delivery Person 0 delivered order 51 to location (7, 19) and Thanks Cook 1 and Moto 0
Delivery time: 6 seconds
> Delivery Person 4 delivered order 47 to location (2, 7) and Thanks Cook 1 and Moto 4
Delivery time: 5 seconds
> Delivery Person 2 delivered order 57 to location (2, 3) and Thanks Cook 3 and Moto 2
Delivery time: 5 seconds
> Delivery Person 1 delivered order 52 to location (2, 5) and Thanks Cook 0 and Moto 1
Delivery time: 3 seconds
> Delivery Person 4 delivered order 49 to location (3, 15) and Thanks Cook 2 and Moto 4
> Delivery Person 4 took orders: 59, 60, 71,
Delivery time: 4 seconds
> Delivery Person 2 delivered order 70 to location (7, 15) and Thanks Cook 2 and Moto 2
Delivery time: 6 seconds
> Delivery Person 0 delivered order 65 to location (3, 16) and Thanks Cook 3 and Moto 0
> Delivery Person 0 took orders: 69, 55, 84,
Delivery time: 10 seconds
> Delivery Person 3 delivered order 48 to location (2, 19) and Thanks Cook 1 and Moto 3
Delivery time: 9 seconds
> Delivery Person 1 delivered order 54 to location (2, 11) and Thanks Cook 1 and Moto 1
> Delivery Person 1 took orders: 56, 89, 78,
Delivery time: 4 seconds
> Delivery Person 5 delivered order 58 to location (4, 2) and Thanks Cook 0 and Moto 5
Delivery time: 7 seconds
> Delivery Person 4 delivered order 59 to location (9, 10) and Thanks Cook 2 and Moto 4
Delivery time: 4 seconds
> Delivery Person 1 delivered order 56 to location (4, 6) and Thanks Cook 3 and Moto 1
Delivery time: 4 seconds
> Delivery Person 2 delivered order 64 to location (2, 16) and Thanks Cook 0 and Moto 2
> Delivery Person 2 took orders: 75, 83, 90,
Delivery time: 2 seconds
> Delivery Person 4 delivered order 60 to location (9, 10) and Thanks Cook 0 and Moto 4
Delivery time: 4 seconds
> Delivery Person 2 delivered order 75 to location (7, 12) and Thanks Cook 0 and Moto 2
Delivery time: 9 seconds
> Delivery Person 5 delivered order 96 to location (9, 4) and Thanks Cook 1 and Moto 5
Delivery time: 3 seconds
> Delivery Person 3 delivered order 53 to location (9, 1) and Thanks Cook 3 and Moto 3
Delivery time: 4 seconds
> Delivery Person 1 delivered order 89 to location (1, 9) and Thanks Cook 1 and Moto 1
Delivery time: 4 seconds
> Delivery Person 0 delivered order 69 to location (0, 1) and Thanks Cook 3 and Moto 0
Delivery time: 5 seconds
> Delivery Person 5 delivered order 82 to location (4, 7) and Thanks Cook 3 and Moto 5
> Delivery Person 5 took orders: 61, 72, 77,
Delivery time: 7 seconds
> Delivery Person 4 delivered order 71 to location (9, 11) and Thanks Cook 1 and Moto 4
> Delivery Person 4 took orders: 85, 99, 86,
Delivery time: 7 seconds
> Delivery Person 3 delivered order 63 to location (3, 6) and Thanks Cook 2 and Moto 3
> Delivery Person 3 took orders: 91, 79, 92,
Delivery time: 4 seconds
> Delivery Person 1 delivered order 78 to location (9, 11) and Thanks Cook 2 and Moto 1
> Delivery Person 1 took orders: 74, 98, 95,
Delivery time: 4 seconds
> Delivery Person 0 delivered order 55 to location (4, 15) and Thanks Cook 2 and Moto 0
Delivery time: 5 seconds
> Delivery Person 2 delivered order 83 to location (4, 1) and Thanks Cook 1 and Moto 2
Delivery time: 5 seconds
seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new


Select seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new
Delivery time: 5 seconds
> Delivery Person 2 delivered order 83 to location (4, 1) and Thanks Cook 1 and Moto 2
Delivery time: 5 seconds
> Delivery Person 3 delivered order 91 to location (1, 8) and Thanks Cook 3 and Moto 3
Delivery time: 3 seconds
> Delivery Person 1 delivered order 74 to location (3, 6) and Thanks Cook 2 and Moto 1
Delivery time: 3 seconds
> Delivery Person 5 delivered order 61 to location (9, 4) and Thanks Cook 3 and Moto 5
Delivery time: 4 seconds
> Delivery Person 4 delivered order 85 to location (3, 3) and Thanks Cook 3 and Moto 4
Delivery time: 8 seconds
> Delivery Person 0 delivered order 84 to location (6, 5) and Thanks Cook 0 and Moto 0
> Delivery Person 0 took orders: 100, 68, 76,
Delivery time: 1 seconds
> Delivery Person 3 delivered order 79 to location (8, 12) and Thanks Cook 0 and Moto 3
Delivery time: 4 seconds
> Delivery Person 1 delivered order 98 to location (2, 11) and Thanks Cook 3 and Moto 1
Delivery time: 3 seconds
> Delivery Person 0 delivered order 100 to location (6, 10) and Thanks Cook 1 and Moto 0
Delivery time: 4 seconds
> Delivery Person 2 delivered order 90 to location (0, 10) and Thanks Cook 2 and Moto 2
> Delivery Person 2 took orders: 94, 88, 81,
Delivery time: 5 seconds
> Delivery Person 5 delivered order 72 to location (1, 11) and Thanks Cook 1 and Moto 5
Delivery time: 10 seconds
> Delivery Person 1 delivered order 95 to location (2, 9) and Thanks Cook 0 and Moto 1
> Delivery Person 1 took orders: 67, 80, 97,
Delivery time: 9 seconds
> Delivery Person 3 delivered order 92 to location (9, 10) and Thanks Cook 1 and Moto 3
> Delivery Person 3 took orders: 87, 93, 62,
Delivery time: 3 seconds
> Delivery Person 0 delivered order 68 to location (7, 6) and Thanks Cook 2 and Moto 0
Delivery time: 4 seconds
> Delivery Person 4 delivered order 99 to location (7, 18) and Thanks Cook 0 and Moto 4
Delivery time: 5 seconds
> Delivery Person 2 delivered order 94 to location (1, 6) and Thanks Cook 1 and Moto 2
Delivery time: 4 seconds
> Delivery Person 3 delivered order 87 to location (7, 13) and Thanks Cook 2 and Moto 3
Delivery time: 10 seconds
> Delivery Person 0 delivered order 76 to location (6, 6) and Thanks Cook 3 and Moto 0
> Delivery Person 0 took orders: 73,
Delivery time: 3 seconds
> Delivery Person 2 delivered order 88 to location (5, 14) and Thanks Cook 0 and Moto 2
Delivery time: 7 seconds
> Delivery Person 4 delivered order 86 to location (0, 12) and Thanks Cook 2 and Moto 4
> Delivery Person 0 delivered order 73 to location (5, 7) and Thanks Cook 0 and Moto 0
> Delivery Person 1 delivered order 67 to location (7, 19) and Thanks Cook 3 and Moto 1
Delivery time: 3 seconds
> Delivery Person 5 delivered order 77 to location (6, 0) and Thanks Cook 2 and Moto 5
> Delivery Person 1 delivered order 80 to location (8, 11) and Thanks Cook 1 and Moto 1
Delivery time: 3 seconds
> Delivery Person 3 delivered order 93 to location (8, 0) and Thanks Cook 3 and Moto 3
Delivery time: 9 seconds
> Delivery Person 2 delivered order 81 to location (0, 5) and Thanks Cook 2 and Moto 2
> Delivery Person 1 delivered order 97 to location (6, 13) and Thanks Cook 0 and Moto 1
> Delivery Person 3 delivered order 62 to location (2, 1) and Thanks Cook 1 and Moto 3
> Most hardworking cook: Cook 0 with 25 orders prepared and cooked
> Most hardworking delivery person: Delivery Person 0 with 19 deliveries
> done serving client @ XXX PID 10357
> active waiting for connections
^C
> ^C.. Upps quitting.. writing log file
seker@DESKTOP-1EUB7L7:/mnt/c/Users/merts/OneDrive/Masaüstü/new$
seker@DESKTOP-1EUB7L7: /mnt/c/Users/merts/OneDrive/Masaüstü/new