

Fast Food

I run a fast food counter making quick snacks, and I would like a program to help organise people's orders and sequence what I should be doing.

Scheduling Sandwiches

I can make a sandwich in one minute and then I need 30 seconds to serve the sandwich and take money from the customer.

Can you write a library that:

- Takes orders from customers
- Sequences what I should be doing
- Outputs the schedule
- Outputs an updated schedule when a new order is taken

The schedule must contain the following: sequence number, time, task, order number.

For example, if I have three sandwich orders the schedule should be:

3 sandwich orders placed

1. 0:00 make sandwich 1
2. 1:00 serve sandwich 1
3. 1:30 make sandwich 2
4. 2:30 serve sandwich 2
5. 3:00 make sandwich 3
6. 4:00 serve sandwich 3
7. 4:30 take a well earned break!

Notes:

- The output does not have to be identical to this example, but must contain all the essential pieces of information (sequence number, time, task, order number)
- The code should be covered by appropriate unit tests
- The solution should have instructions on how to build and run
- We expect this exercise to take approximately between 45 and 90 minutes to complete
- When you are done. please zip up the solution and return it