

C++ Advanced - Exam (12 September 2020)

Write C++ code for solving the task on the following page.

Submit your solution here: <https://judge.softuni.bg/Contests/2556/CPlusPlus-Advanced-Exam-12-September-2020>

Any code files that are part of the task are provided under the folder **Skeleton**.

Please follow the exact instructions on uploading the solutions for each task.

Task 3 – Summer Festival

It is summer and it is time for festivals. A family of cooks decided to open a food stall for the famous summer festival in their city. Your task is to write a program to help them with the orders.

You are given the **main()** function, which reads a single integer value - N.

On the next N lines, you are given a special command string, which will always be one of these:

- **"cook"** command: **cook {foodName}** - creates a new dish
- **"sell"** command: **sell {idx}** - removes a dish from a certain index (provided indexes will always be valid)
- **"copy"** command: **copy {idx1} {idx2}** - copies the whole dish information from **one index** to **another index**
 - If invalid indexes, print - **"Invalid indexes"**

In the output, you should:

- Print **"Food type: {foodName}, size: {foodSize}, price: {foodPrice}"** – `printOrderInfo()` function
- At the end of the **constructor**, you should call **printOrderInfo()** followed by printing **" is cooked"** and a **newline**
- At the end of the **destructor**, you should call **printOrderInfo()** followed by printing **" is sold"** and a **newline**

Examples

Input	Output
2 cook pasta small 5 sell 0	Food type: pasta, size: small, price: 5 is cooked Food type: pasta, size: small, price: 5 is sold
5 cook pasta small 5 cook pizza medium 6.4 copy 1 2 cook hotdog large 3 sell 2	Food type: pasta, size: small, price: 5 is cooked Food type: pizza, size: medium, price: 6.4 is cooked Food type: pizza, size: medium, price: 6.4 is cooked Food type: hotdog, size: large, price: 3 is cooked Food type: pizza, size: medium, price: 6.4 is sold
4 cook Food1 size1 1 copy 0 1 cook Food2 size2 2 sell 1	Food type: Food1, size: size1, price: 1 is cooked Food type: Food1, size: size1, price: 1 is cooked Food type: Food2, size: size2, price: 2 is cooked Food type: Food1, size: size1, price: 1 is sold