# 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 а 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

|  |  |
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| **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 |