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 2 - Scientists

You are given 2 files: Scientist.h, Discovery.h

Get accustomed to the provided Skeleton and implement the missing functionalities for Scientist.cpp, Discovery.cpp and Main.cpp files.

In the main(), on the **first line**, you are given an integer – **N**

On the next N lines, you are given N Scientists followed by a number of discoveries (a discovery has a name, a year and a field of study). There are four categories - Chemistry, Physics, Linguistics and Philosophy.

In the output, you should print the information in the following way — "{name of discovery} - {scientist} - {field of study category}", sorted by year.

The fields of study categories are **numbered**:

- Chemistry -> 0
- Physics -> 1
- Linguistics -> 2
- Philosophy -> 3

The fields of study will always be one of the four fields, shown above.

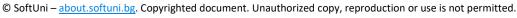
In the output, print the number of category.

You should submit a single .zip file for this task, containing ONLY the files you created. The Judge system has a copy of the other files and will compile them, along with your file, in the same directory.

Examples

| Input | Output |
|------------------------------------|--------------------------------------|
| 2 | PhotoelectricEffort - Einstein - 1 |
| Chomsky | GeneralRrelativity - Einstein - 1 |
| 1 | MassEnergyEquivalence - Einstein - 1 |
| ChomskyHierarchy 1956 Linguistics | ChomskyHierarchy - Chomsky - 2 |
| Einstein | |
| 3 | |
| GeneralRrelativity 1915 Physics | |
| PhotoelectricEffort 1905 Physics | |
| MassEnergyEquivalence 1923 Physics | |
| 1 | Polonium - Curie - 0 |















Radium - Curie - 0 Curie Polonium 1898 Chemistry Radium 1899 Chemistry









