# 04. Advanced C++ Class Members – Homework Exercises

Write C++ code for solving the tasks on the following pages.

Code should compile under the C++03 or the C++11 standard.

Submit your solutions here: https://judge.softuni.bg/Contests/1183/04-Advanced-CPlusPlus-Class-Members-Homework (select “Compete” when prompted)

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 1 – Car

You are given program in a CarMain.cppfile that reads and creates constobjects of class Car, which has the following attributes:

- Brand (string)

- Model (string)

- Year (int)

The program reads input and writes output to the console, using the Car class and getters for the above-mentioned attributes.

Your task is to study the code in CarMain.cpp and implement the Car class in Car.h (which is #include-d by CarMain.cpp), so that CarMain.cpp compiles successfully and accomplishes the task described. Your Car.h file should resemble the following:

|  |
| --- |
| **Car.h** |
| #ifndef CAR\_H  #define CAR\_H  // Place your code here  #endif // !CAR\_H |

You should submit a single .zip file for this task, containing ONLY the Car.h file. 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** |
| Volkswagen  Golf  2015 | Brand -> Volkswagen  Model -> Golf  Year -> 2015 |