

C++ Advanced - Exam (12 September 2020)

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

Submit your solutions 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 1 – Animal Categories

Your task is to write a program which categorises animals with different names, breeds and ages. You are given the **main()** function, which reads an integer value – number of lines. On each line you receive data. The data about an animal consist of **name, breeds, name, animal category number** and **age**.

The animal categories are:

- **Cats** (category number - 1)
 - You should print: "Cat Breeds:" and the animals' info below it
- **Dogs** (category number - 2)
 - You should print: "Dog Breeds:" and the animals' info below it
- **Bunnies** (category number - 3)
 - You should print: "Bunny Breeds:" and the animals' info below it

You should implement a class **AnimalTypes**. The **AnimalType** should be able to read from the provided input from the **main()** method and store the data.

Implement a **print()** method that **prints** the information about them every animal in every category. If a category has no animals in it, it should remain empty (do not print anything below it).

Your task is to study the code and write the functionality so that the code accomplishes the task described.

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
6 MaineCoon Sam 1 5 GoldenRetriever Ari 2 1 Husky July 2 2 Sphynx Raechel 1 3 HollandLop Lu 3 4 Persian Kot 1 6	Cat Breeds: Sam - MaineCoon - 5 Raechel - Sphynx - 3 Kot - Persian - 6 Dog Breeds: Ari - GoldenRetriever - 1 July - Husky - 2 Bunny Breeds: Lu - HollandLop - 4
2 Corgi Puff 2 3 Poodle Toni 2 5	Cat Breeds: Dog Breeds: Puff - Corgi - 3 Toni - Poodle - 5 Bunny Breeds: