Special member functions

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Special member functions

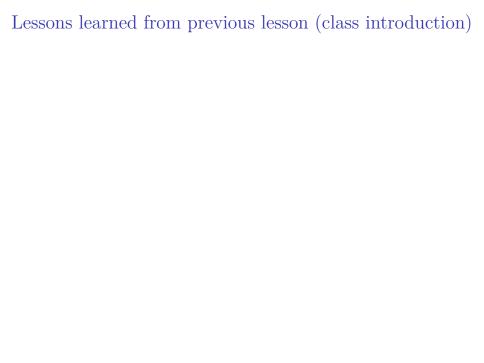
... done with support of



Figure 1: scheidt&bachmann

Agenda

- ▶ Lessons learned from previous lesson (class introduction)
- ► Example of usage from previous lesson
- ► Special member function



Lessons learned from previous lesson (class introduction)

- ► Virtual destructor
 - Always declare destructor as virtual, otherwise it may not be called at all.
- Uninitialized variables
 - Always initialize your variables, at least with {}, otherwise those variables will obtain random values in release version.
- ► Encapsulation
 - ▶ Do not populate your variables as public to improve personal comfort. Other users can break functionality of your class.
- ▶ Use keywords like const, override, final
 - It will give a hint to other developers how to behave to your class.

Example of usage from previous lesson

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► Inheritance (Logger example)

Polymorphism (std::vector<Animal> zoo example)