

Special member functions

Zdenko Pavlik

Scheidt&Bachmann Slovakia s.r.o.

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)

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

Example of usage from previous lesson

- ▶ Inheritance (`Logger` example)



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