

V601 – Aggregation and Inheritance

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What is the difference between aggregation and inheritance?

Aggregation "has" something. So, a class HAS a private data member, for example.

Inheritance "is" something. For example, a ostream IS an ostream.

What is an interesting object to you that needs a HAS-A relationship?

An example would be an Employee class that calls a Address class.

The Employee class HAS-A Address class.

What is an interesting object to you that needs an IS-A relationship?

An example might be a Vehicle class as a base class, and then a Stationwagon class that IS-A inherited class.