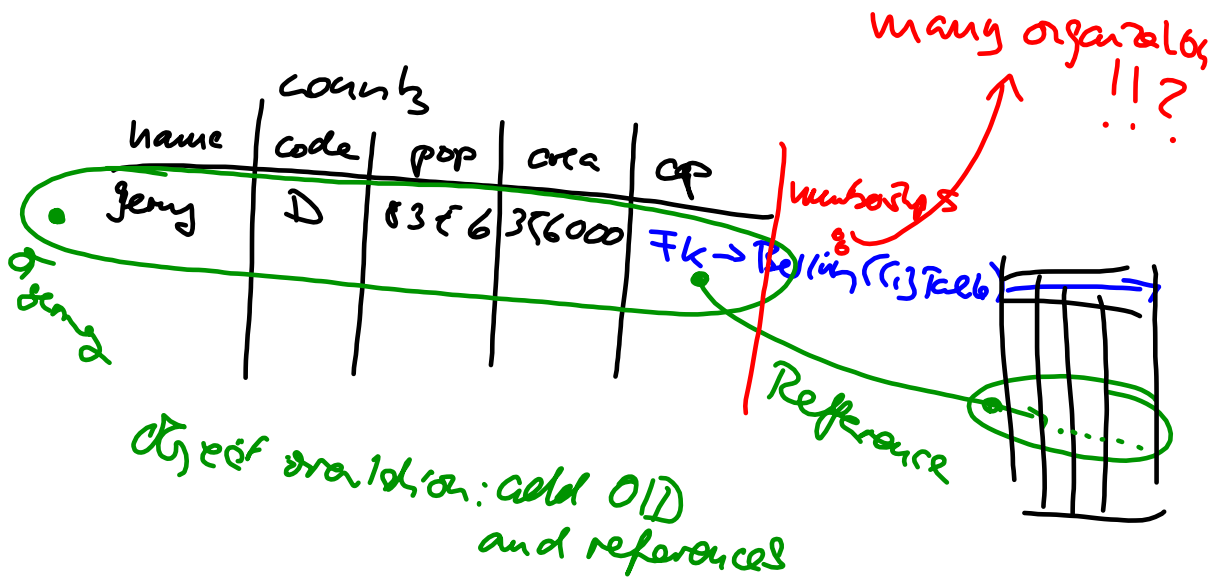


First aspect of OMG: Data Model  
 Object-oriented DB,  
 object-relational DB

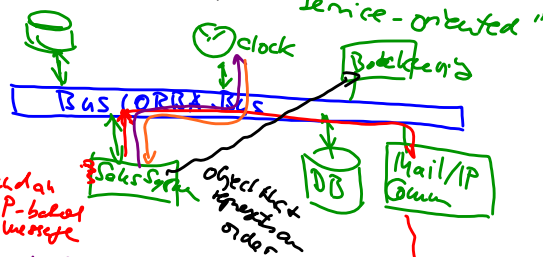


Apr 27-10:10

Second aspect (more important!)  
 Architecture CORBA  
 Interoperability between systems!

Intranet, Internet

↳ closed systems world    ↳ autonomous systems



1) Send an IP-based message

2) wait 10 minutes

3) clock-to-objs: wake up!

Exchange / communication of messages and objects

→ e.g. Java → Unicode → C++  
 serialize                      deserialize

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obj Berlin City: { name "Berlin",  
 population 3500000  
 coordinates { longitude ...  
 latitude ... }  
 in country obj Germany }

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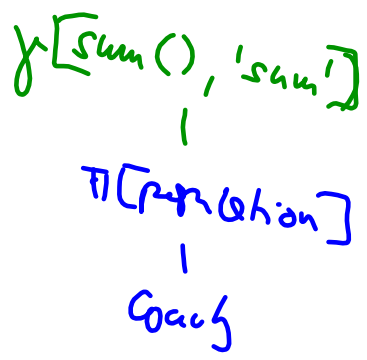
name	cities
'Germany'	{ Berlin, Göttingen, Hamburg, Frankfurt, ... }
⋮	⋮

→ programming level  
 collection  
 → Iterator

Apr 27-11:25

OQL SQL not orthogonal

~~sum~~( <sup>sum</sup> select population from county ) as sum



Apr 27-11:35

Apr 27-11:42