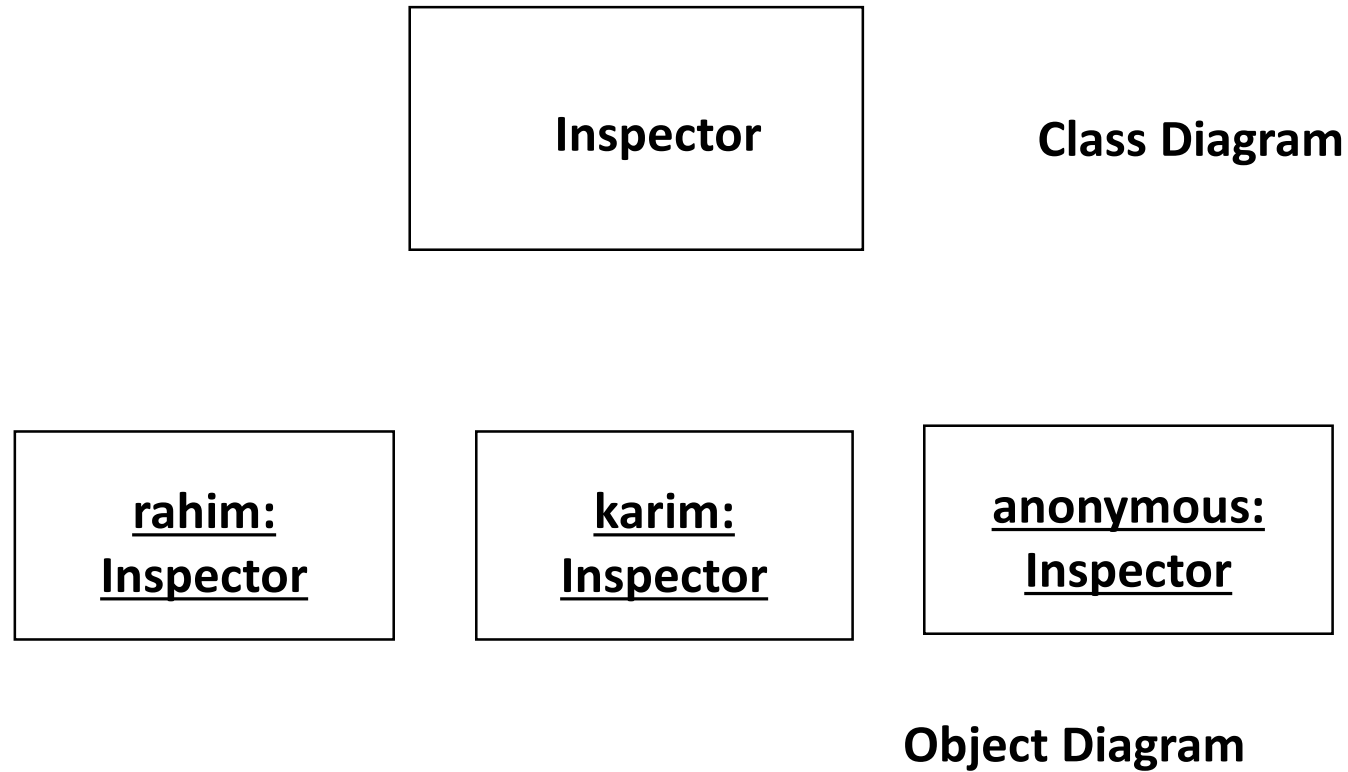# Object Diagram
CSE 3223

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Object Diagram

- Model the *instances of things* contained in class diagram.
- A diagram that shows a *set of objects and their relationship* at a point of time.
- Covers a set of instances of the things found in a class diagram
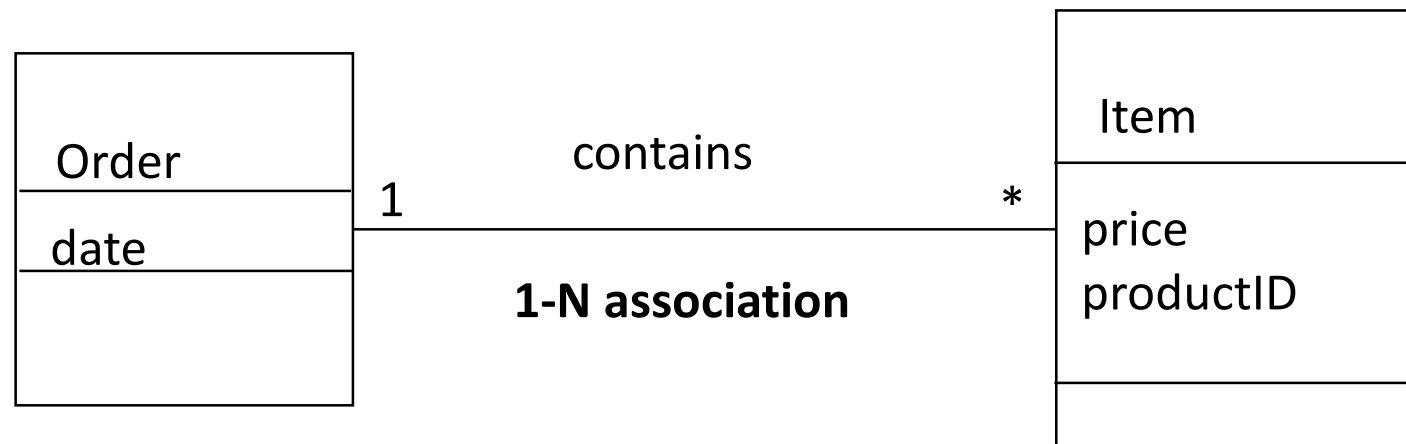
Class and Object Diagrams

Inspector

Class Diagram

rahim: Inspector		karim: Inspector		anonymous: Inspector

Object Diagram

Attributes and Values

Inspector
name:string   age: integer

rahim:Inspector
name = "Rahim"   age = 24

karim: Inspector
name = "Karim"   age = 18

1-to-1 and 1-to-N Associations

Country		City
name	has-capital	name
	1 1	
	1-1 association	

Order		Item
date	contains	price productID
	1 *	
	1-N association	
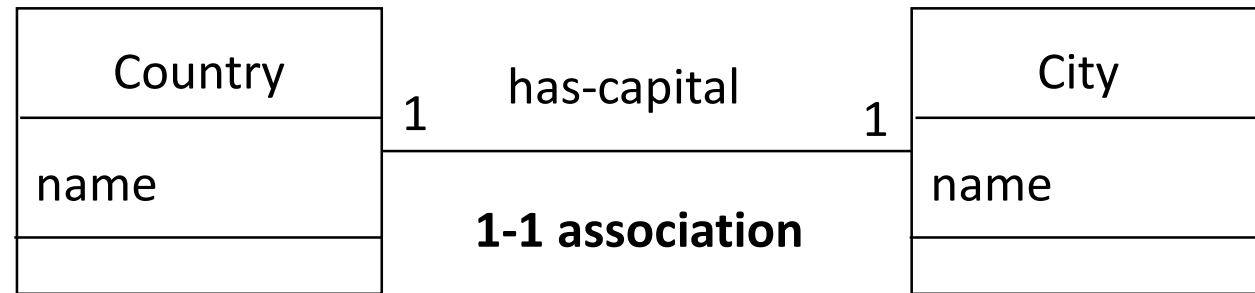
Object Instance Diagram

Example for 1-to-N

```
┌─────────────────────┐        ┌─────────────────────┐        ┌─────────────────────┐
│       :Item         │        │      :Order         │        │       :Item         │
├─────────────────────┤────────├─────────────────────┤────────├─────────────────────┤
│                     │        │                     │        │                     │
│ Price:9,90          │        │                     │        │ Price:5,50          │
│ ItemID : 105        │        └──────────┬──────────┘        │ ItemID : 23         │
└─────────────────────┘                   │                   └─────────────────────┘
                                          │
                               ┌──────────┴──────────┐
                               │       :Item         │
                               ├─────────────────────┤
                               │                     │
                               │ Price:105,00        │
                               │ ItemID : 98         │
                               └─────────────────────┘
```
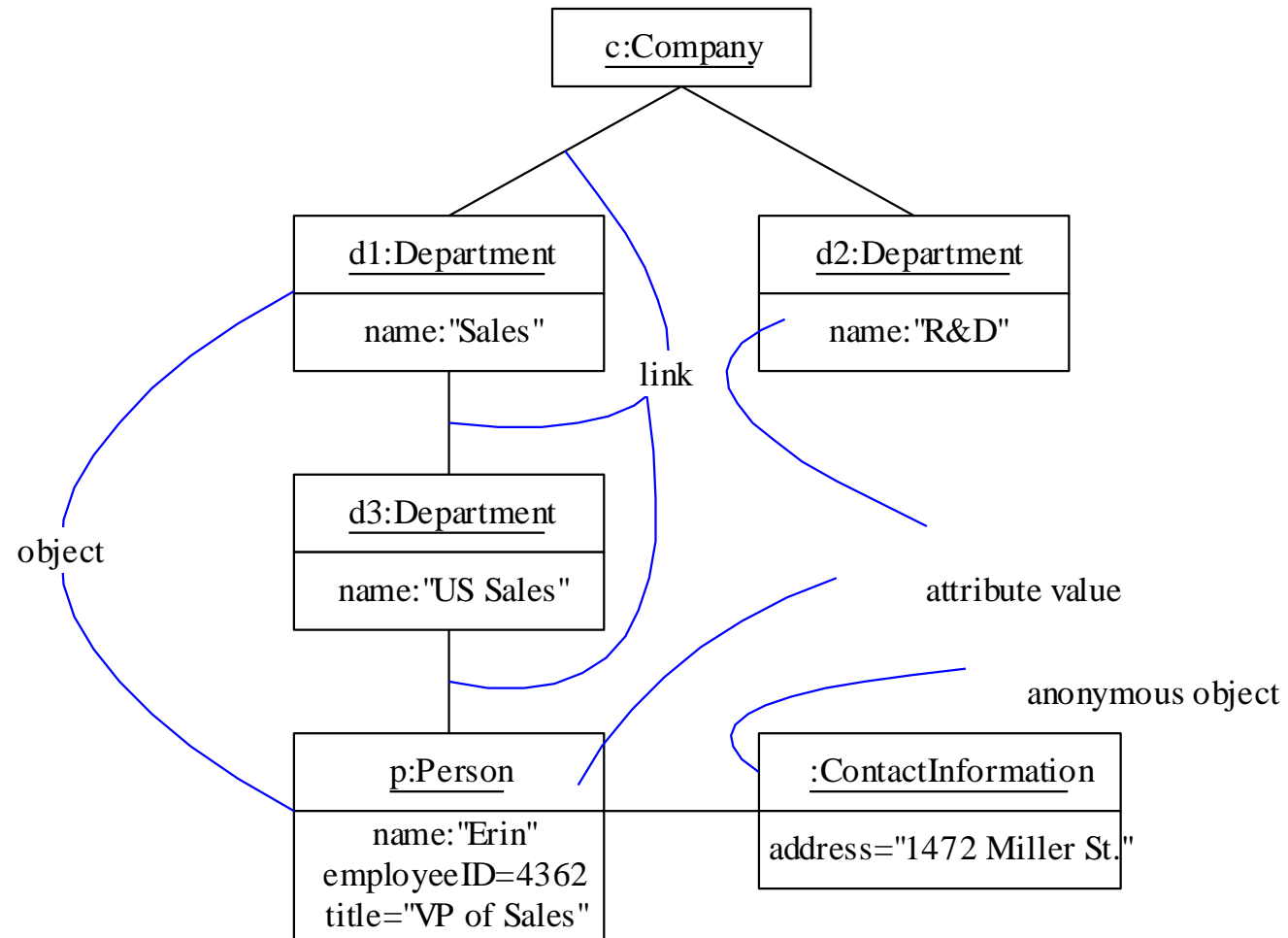
Example

END
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