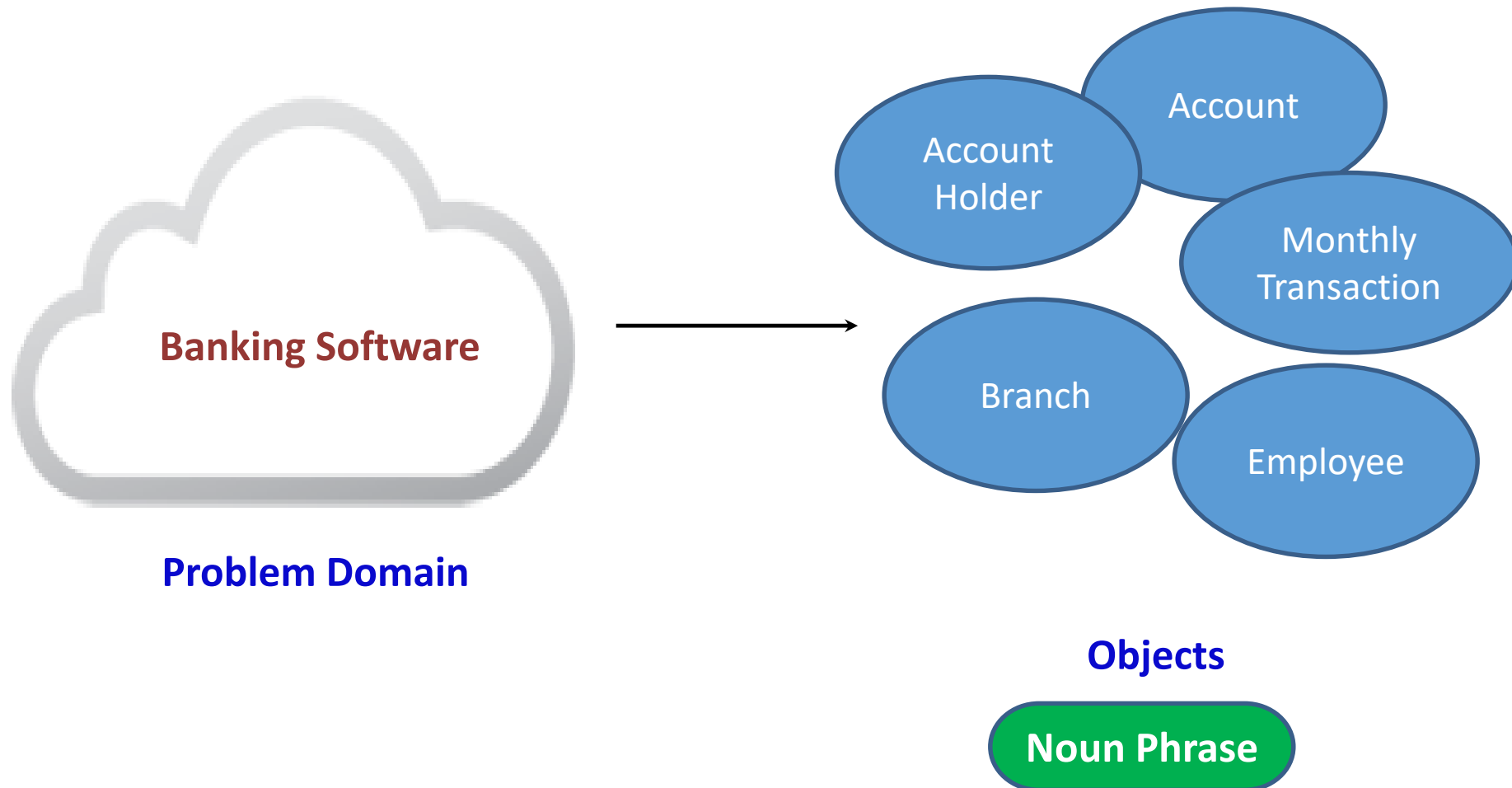# Object Oriented Programming

Lecture -2
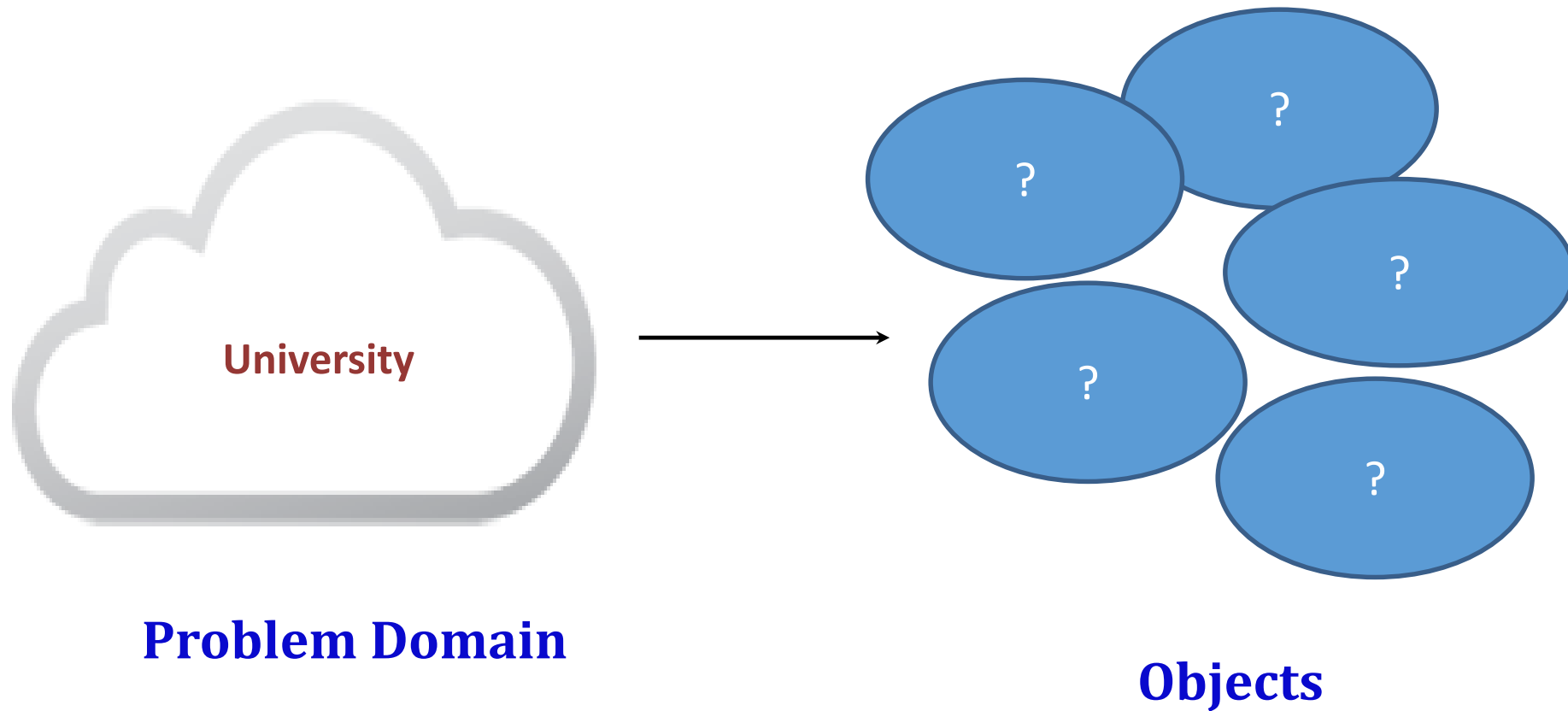
Object Oriented Analysis and Java Program Structure

Object Oriented Analysis

What is Object Oriented Analysis?

Banking Software

Problem Domain

Account Holder

Account

Monthly Transaction

Branch

Employee

Objects

Noun Phrase

Have a try

University

Problem Domain

Objects

Detailing Objects

Bank

Account Holder

Account

Account Holder

Has: name, contact no, accounts

Branch

Branch

Has: Name, Location, No of accounts

Does: Create new accounts, make transaction

Account

Has : A/C Number, Balance, Opening Date, Account Holder details

Does:
Deposit money, Withdraw money

Employee

Employee

Has: name, id, email, salary

Does: Handle banking transactions
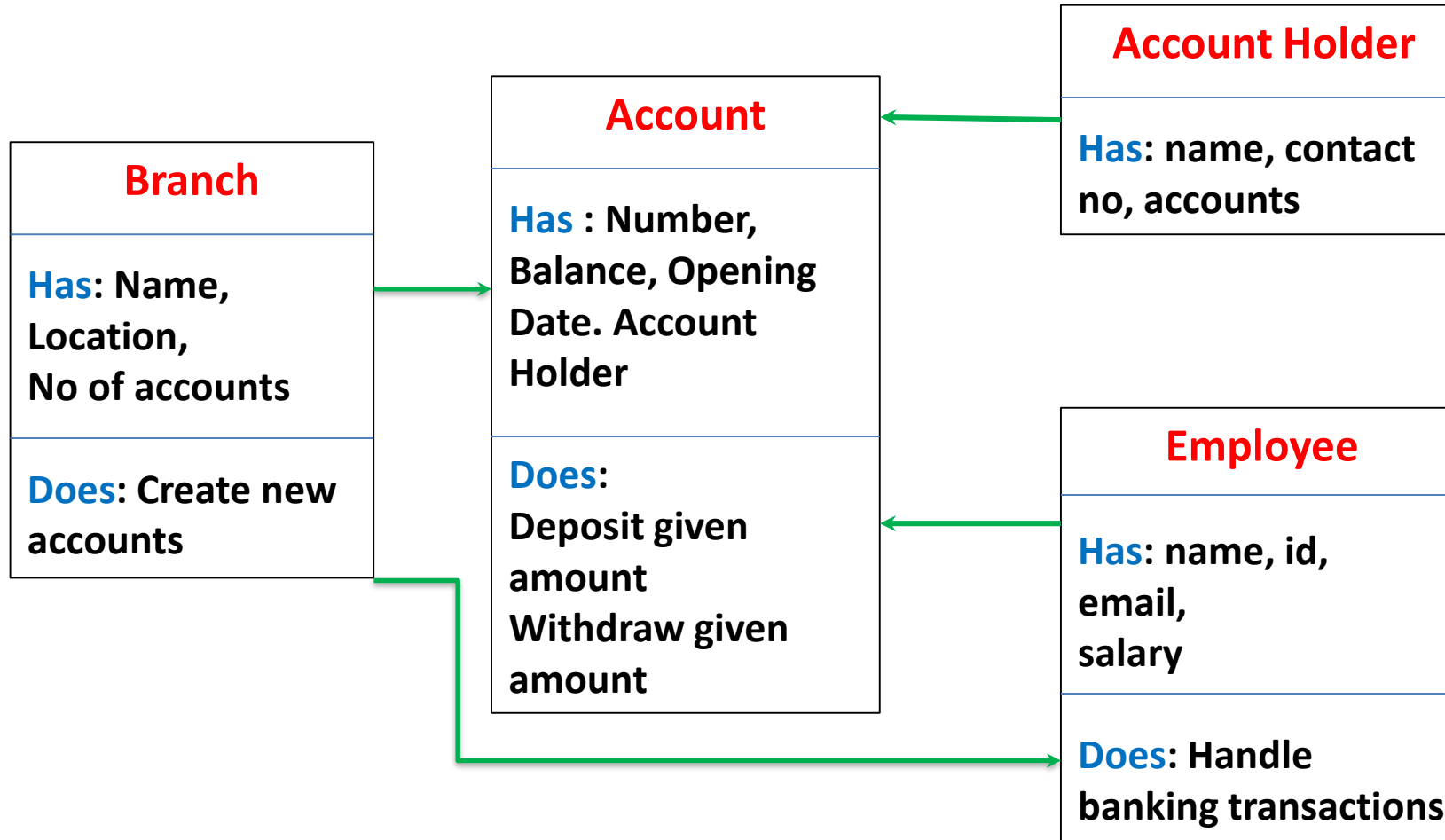
Detailing Objects

Bank

Branch

Attributes: Name,
Location,
No of accounts

Function: Create
new accounts

Account

Attributes :
Number, Balance,
Opening Date.
Account Holder

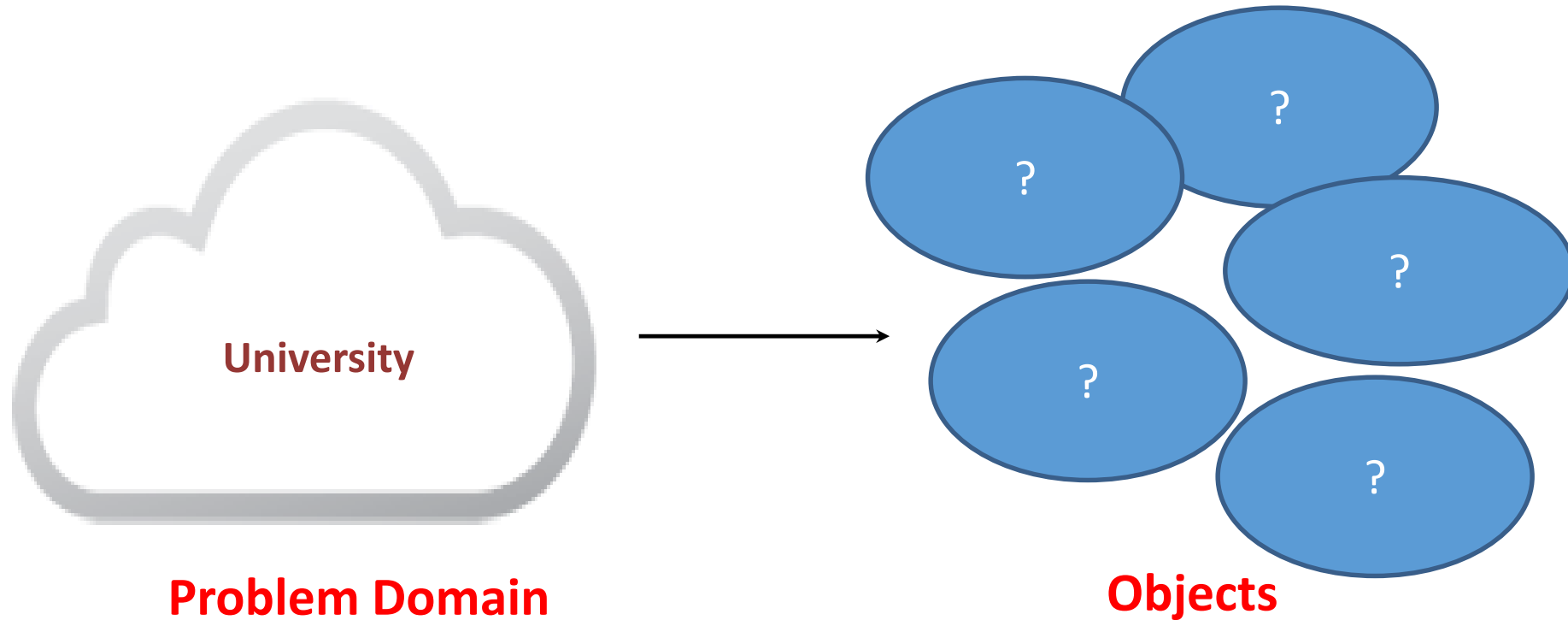**Function** :
Deposit given
amount
Withdraw given
amount

Account Holder

Attributes : name,
contact no, accounts

Employee

Attributes : name,
id, email,
salary

Functions: Handle
banking transactions

Objects are inter-connected

Account Holder

Has: name, contact no, accounts

Account

Has : Number, Balance, Opening Date. Account Holder

Does:
Deposit given amount
Withdraw given amount

Branch

Has: Name, Location, No of accounts

Does: Create new accounts

Employee

Has: name, id, email, salary

Does: Handle banking transactions

Detail objects of University and Find their inter-connection

University

Problem Domain

Objects

Chapter 2 of Textbook

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