

| name | mark | fullMark |
|------|------|----------|
| | | |

$$pct = \frac{\text{mark}}{\text{full mark}} \times 100$$

> 85 Excellent
 > 75 V. Good
 > 65 Good
 > 50 Pass
 Fail

OOP

Student

instance variables { name
 mark
 static variable ← fullMark

Student(-, -)

GetPercent()

GetGrade()

s1

| name | mark | fullMark |
|------|------|----------|
| A | 23 | 25 |

s2

| name | mark | fullMark |
|------|------|----------|
| M | 20 | 25 |

set get

Account

name
 - balance
 annualRate = 0.04

Account(-, -)

MonthlyRate → / 12

MonthlyInterest → * balance

Deposit(amt)

Withdraw(amt)

int[] x = new int[5];

List<int> x = new List<-->()

x.

| | |
|---|----|
| 0 | 17 |
| 1 | 23 |
| 2 | 12 |
| 3 | 25 |
| 4 | 18 |

Course

title
 Price
 students
 discounts

Course(-, -)

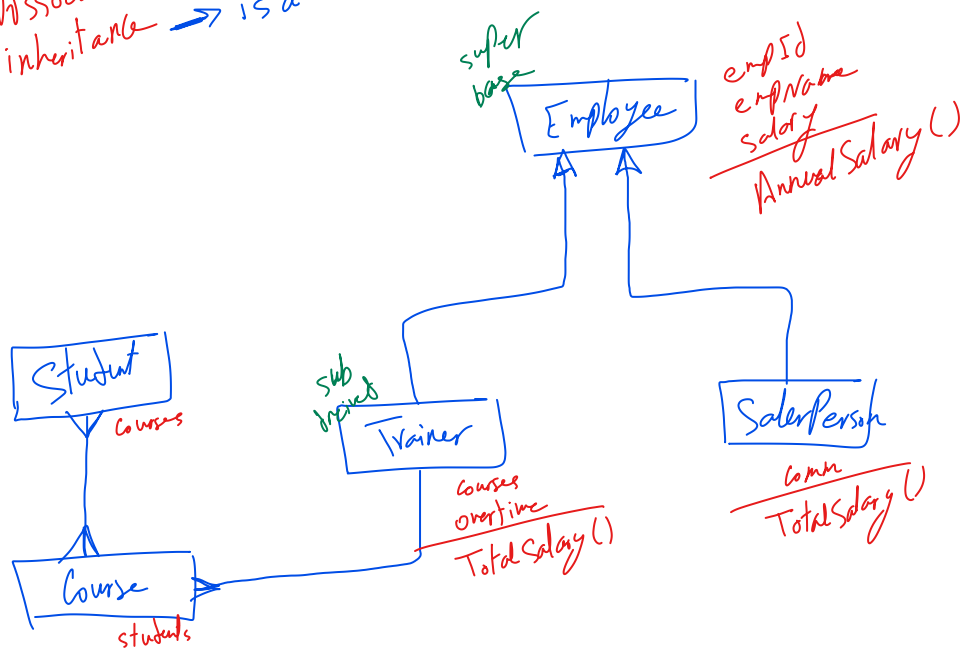
AddStudent(-, -)

DropStudent(id)

NumOf students

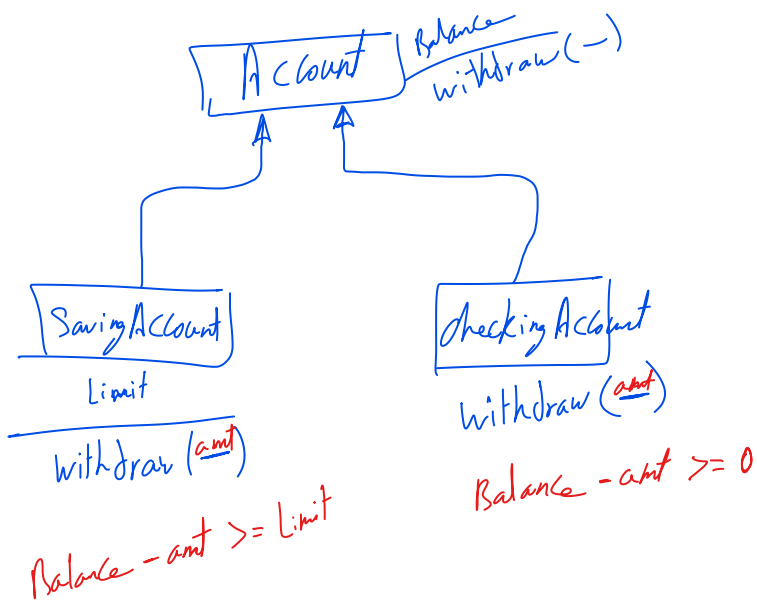
| | | |
|--|--|--|
| | | |
| | | |
| | | |

- * Association \rightarrow has a
- * inheritance \rightarrow is a



var x = new Trainer(---)

x.



OOP Pillars

- * Abstraction \rightarrow classes & objects
- * Encapsulation
- * Inheritance
- * Polymorphism

Employee x = new Trainer(-)

