

# Additional Examples

Scripts available on LearnIT!  
(MoreExercisesScripts)

# Cheapest Coffee

Coffee(name, manufacturer)

Coffeehouses(name, address, license)

Sells(coffeehouse, coffee, price)

## Average Price of All Coffees

Coffee(name, manufacturer)

Coffeehouses(name, address, license)

Sells(coffeehouse, coffee, price)

## Coffees Costing < 2000 on Average

Coffee(name, manufacturer)

Coffeehouses(name, address, license)

Sells(coffeehouse, coffee, price)

## New Schema

- Actors(actor, address, base\_salary)
- Productions(production, stage, year)
- Roles(role, actor, production, prod\_salary)
- Directors(director, address, base\_salary)
- Conducts(director, production, prod\_salary)

Actors(actor, address, base\_salary)  
Productions(production, stage, year)  
Roles(role, actor, production, prod\_salary)  
Directors(director, address, base\_salary)  
Conducts(director, production, prod\_salary)

Actors in the production 'Hamlet' who have higher prod\_salary than the director of the production.

Actors(actor, address, base\_salary)  
Productions(production, stage, year)  
Roles(role, actor, production, prod\_salary)  
Directors(director, address, base\_salary)  
Conducts(director, production, prod\_salary)

Actors in the production 'Hamlet' who have higher base\_salary than the director of the production.

Actors(actor, address, base\_salary)  
Productions(production, stage, year)  
Roles(role, actor, production, prod\_salary)  
Directors(director, address, base\_salary)  
Conducts(director, production, prod\_salary)

Total prod\_salary cost for actors per production,  
highest first.



Actors(actor, address, base\_salary)  
Productions(production, stage, year)  
Roles(role, actor, production, prod\_salary)  
Directors(director, address, base\_salary)  
Conducts(director, production, prod\_salary)

Total salary of each actor in 2015.

Actors(actor, address, base\_salary)  
Productions(production, stage, year)  
Roles(role, actor, production, prod\_salary)  
Directors(director, address, base\_salary)  
Conducts(director, production, prod\_salary)

Total salary of each director from 2000, highest first.

Actors(actor, address, base\_salary)  
Productions(production, stage, year)  
Roles(role, actor, production, prod\_salary)  
Directors(director, address, base\_salary)  
Conducts(director, production, prod\_salary)

All actors who live at the same address as some director.

Actors(actor, address, base\_salary)  
Productions(production, stage, year)  
Roles(role, actor, production, prod\_salary)  
Directors(director, address, base\_salary)  
Conducts(director, production, prod\_salary)

All actors who live at the same address as the director of one of the productions they acted in.

Actors(actor, address, base\_salary)  
Productions(production, stage, year)  
Roles(role, actor, production, prod\_salary)  
Directors(director, address, base\_salary)  
Conducts(director, production, prod\_salary)

All actors who had multiple roles in the same production, and the number of roles per production.

Actors(actor, address, base\_salary)  
Productions(production, stage, year)  
Roles(role, actor, production, prod\_salary)  
Directors(director, address, base\_salary)  
Conducts(director, production, prod\_salary)

## Coming Up in Week 3

All actors who took part in every production in 2010.

All actors and directors who earn more than X.

A list of all productions, with any roles that actor A may have had in the productions.

All actors that have never directed.

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